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REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1940

1939/40

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

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SESSIONAL PAPER No. 8 — 1941



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To:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant, for the twelve months ending the 31st of March, 1940.

Respectfully submitted,

F. R. OLIVER,
Minister of Public Works.

Department of Public Works, Ontario,
Toronto, March 10, 1941.

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE FARQUHAR R. OLIVER, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir :

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Purchasing Agent and of the Accountant, for the financial year April 1, 1939 to March 31, 1940.

ARCHITECT'S BRANCH

The outstanding event during the year was the visit of Their Majesties, King George the Sixth and Queen Elizabeth, on May 22. Their itinerary included a reception in the Legislative Chamber, the Honourable the Prime Minister presenting an address of welcome and loyalty on behalf of the Government, Members of the Legislature and the citizens of the Province. The problem of accommodation in the Chamber was a difficult one, but I am pleased to report that the arrangements as planned and carried out for the reception and accommodation of guests were very favourably commented upon by many of those present. The Legislative Chamber was renovated and the Lieutenant-Governor's Suite prepared for use by Their Majesties for rest and the reception of guests.

A decorative scheme for the buildings and grounds utilizing heraldic emblems, flags of the Empire, festoons and bunting, arranged to converge upon the central dais at the entrance to the buildings, was planned and executed under the direction of the Architect.

The historical interest of the Chamber has been increased by the inclusion of a Speaker's chair previously used during the Sessions from 1874 to 1880 by the late Honourable Rupert M. Wells, the acquisition of the chair is fully dealt with in the Architect's report.

A considerable amount of repairs and alterations were carried out to the Educational, Agricultural and District Buildings.

After the declaration of war, such new buildings under construction at the Ontario Hospital, St. Thomas, were hastened to completion and the Hospital leased to the Department of National Defense. Re-arrangement of patients' accommodation at other institutions was necessary to house patients from the St. Thomas Hospital and the Gaol Farm at Langstaff owned by the City of Toronto was leased and the Concord Farm under lease from the City of Toronto for a period of three years which expired on February 28, 1940, was extended for the duration of the war.

The demands for accommodation for Dominion Government offices in the City of Ottawa were facilitated by leasing the Normal School to the Dominion Department of Public Works for the period of the war.

A Community Hall was constructed at Rondeau Park to provide facilities for tourists and summer residents at that attractive summer resort and at the Agricultural School, Kemptville, the erection of a new Dairy School Building was necessary to provide additional facilities for instructional purposes. This building is not yet completed.

The work remaining to be done to complete the new fish hatcheries at Sandfield, Manitoulin Island, Chatsworth, Owen Sound, Deer Lake, Peterborough County and Skeleton Lake, Muskoka District, was carried out and work continued at the new fish hatchery at Hill's Lake, near Charlton, Temiskaming district, but owing to weather conditions this hatchery could not be completed during this year.

Various other works were carried out, including the construction of a steel and concrete runway for the Forestry Air Base at Sault Ste. Marie, alterations to the old Dairy Building at Kingston, to accommodate laboratories for the Health Department and other Department officials, camp buildings for the Athletic Commission Camp at Lake Couchiching and collaboration with other departments of the Government, in connection with building problems in administering acts under their control for the erection of public buildings.

Mr. George White, Provincial Architect, retired at the end of the year and was succeeded by Mr. George N. Williams, Assistant Architect.

During the many years of faithful service rendered by Mr. White, a large number of Public Buildings have been erected under his direction and many of these are of outstanding architectural interest, such as the Administration and Students' Residence Buildings and the Horticultural Building, Ontario Agricultural College, Guelph; the modern fireproof Custodial Buildings, at the Industrial Farm, Burwash, and the new Cell Block Wing, Ontario Reformatory Guelph, and hospital units in many parts of the province.

The Department is indebted to Mr. White for his careful consideration of all matters pertaining to public expenditures.

ENGINEER'S BRANCH

The maintenance and new construction of locks and dams is given in detail in the Engineer's report, the cost of some of the larger projects being as follows :

Magnetawan Lock Gates	Rebuilding timber gates	\$4,455.30
Baptiste Lake Dam	Repair dam, replace stop-logs	1,462.62
Rama Canal Dam	Retimber dam and construct road	711.82
Port Carling Dam	Repairing dam	2,877.19
Huntsville Lock Gates	Repairing lock gates	488.25
Port Carling Docks	Renewing timber	1,545.26
Blind River Dam	Building new concrete dam	7,917.29
Ragged Lake Dam	Building concrete dam	8,243.27
Stoney Lake Dam	Building timber dam	1,462.62
Abrams Rapids Dock	Renewing piers	1,450.00

Assistance for drainage purposes was given to eleven municipalities, also a grant to the Village of Overbrook in Russell County, towards construction of the Hurdman Drain and 20% of the cost of the Boyle Drain, Dover Township, Kent County, in accordance with the Provincial Aid to Drainage Act.

The Grand River Conservation Commission proceeded with the construction of the Shand Dam which is being constructed on the Grand River about four miles North East of Fergus, to conserve and regulate the flow of water in the River. The work is not completed and will be continued in the next financial year.

The province agreed with the Dominion Government to contribute 50% of the cost of dredging a part of the Nation River, south of the Village of Plantagenet. Flood waters were held back by rock bars and considerable damage was done every spring to surrounding properties and some of the farmers had to vacate their farms during the Spring floods. The work was undertaken in 1938 and completed in 1939, consisting of a channel 80 feet wide, 4 to 5 feet deep and approximately 4,000 feet long, cut through the rock to relieve flooding. The work was carried out under the direction of the Dominion Department of Public Works and the Province's contribution was as follows:

Fiscal Year	Amount
1938-39	\$16,157.88
1939-40	41,829.52
	<hr/> \$57,987.40

OFFICE OF THE SECRETARY

Twelve contracts were awarded, all in connection with new construction.

OFFICE OF THE ACCOUNTANT

Revenue received totalled \$185,415.37, which amount included lump sum payments by the Dominion Government to the Province to cover expenses incurred or to be incurred, in connection with the leasing of the Ontario Hospital, St. Thomas, in the amount of \$125,000., and of the Normal School, Ottawa, \$17,000; also, the sale of the following properties:

H. C. Hyde—Property part N. half Lot 12, Con. 2, Walker Twp., Monteith	\$ 150.00
Corporation of The Township of Scarborough, prop- erty Alexandra Industrial School—final payment	3,816.41
Roman Catholic Bishop of The Diocese of Sault Ste. Marie—Wiley property, Port Arthur.....	6,100.00
Department of Highways—exchange and transfer of land, Ontario Hospital grounds, Whitby	1,183.75
	<hr/> \$11,250.16

The expenditures are summarized as follows:

Main Office	\$ 92,639.16
Maintenance and Repairs	750,497.80
	<hr/>
TOTAL ORDINARY	\$843,136.96

CAPITAL

Public Buildings and Public Works	\$2,610,380.33
	<hr/>
TOTAL NET EXPENDITURES	\$3,453,517.29

I have the honor to be, Sir,

Your obedient servant,

R. A. McALLISTER,

Deputy Minister of Public Works.

TORONTO, March 10, 1941.

REPORT OF THE ARCHITECT

THE HONOURABLE FARQUHAR R. OLIVER,
Minister of Public Works.

Sir,—

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1939 to March 31st, 1940, as follows,—

*Re Parliament Buildings; Decorations for the
Visit of Their Majesties the King and Queen:*

Their Majesties, the King and Queen, visited the Parliament Buildings, on May 22nd. The buildings and grounds were decorated for their reception. In front of the main entrance, a reception dais was erected protected by a circular projecting canopy supported on heavy columns covered in royal blue cloth, with moulded, painted and gilded caps and slender royal red steel columns, carrying a roof with a cornice ornamented in royal blue, red and gold with a deep fringe in gold; the underside was lined in shirred soft sand coloured satin faced cloth. The floor and steps leading from the canopied dais through the main hall to the grand staircase were carpeted in royal red. On the balcony over the dais the royal coat of arms was displayed in heraldic colourings with the figures of the three lions for England, the tressured lion rampant for Scotland and the golden harp with silver strings for Ireland, in low relief. The royal arms were flanked by shields with the arms of St. George and St. Andrew in colour with swags of laurel connecting the same. On the building 30 foot Union Jacks were hung and from the tower flanking the centre and from the main cornice were set out flags to hang vertically, of England with the Cross of St. George; Scotland with the Cross of St. Andrew and Ireland with the Cross of St. Patrick.

The decorations of the grounds of Queen's Park were planned to give emphasis to the central canopied dais at the Buildings, where Their Majesties were received by the Honourable the Prime Minister. A line of masts, approximately 50 feet apart, with extended arms on both sides of the centre walk were erected carrying banners in red and blue and white alternating and fringed with gold and bearing the royal monogram and the crest of the Province. These extended from the north line of College Street, to the south side of the driveway in front of the buildings and were terminated by pylons, 30 feet high at the line of Sir John A. Macdonald's Monument, at the south end and similar pylons at the north end. These terminal pylons were finished in a cream colour and were surmounted either by a lion supporting a shield with a St. George's Cross, or by a Unicorn, supporting a shield with a St. Andrew's Cross and were further decorated by shields at the base, with the royal arms surmounted by a Crown, all in colour and gilt. Arms extending in four directions near the top of these pylons carried similar banners to those on the masts already described.

A similar arrangement of pylons and masts with banners, all as already described was erected from Bloor Street south to the 48th Highlander's Monument and along King's College Road similar masts were erected on both sides of the street. Rope swags of waxed paper were festooned from Hydro pole to Hydro pole around the east and west Crescents and along the Parkways. Union Jacks only were displayed on the East Block.

A new steel flag pole 130 feet high was erected in front of the Buildings to replace the old wooden mast which was found to be dangerously decayed.

Opposite the outside entrance to the Lieutenant Governor's suite, a steel mast was erected for the flag of the Lieutenant Governor.

The Legislative Chamber was recarpeted with royal red carpet. Red damask hangings with deep draped valances and deep fringes and tassels of gold were furnished at the three rear arched recesses and over the three south windows and plain velour drapes with valances and deep fringes and tassels of gold were installed in the gallery arches. New velour draperies were furnished at the vestibule entrance doors of the Chamber and the gallery windows.

The new chair made for the new Speaker, Honourable James H. Clark and the chair used by the ex-Speaker, Honourable Norman O. Hipel, being re-upholstered in blue silk damask, were used by their Majesties on the dais in the Chamber. Temporary staging was erected to give increased seating accommodation raising the total seating capacity to 1,103 for the occasion. The Members' desks in the Legislative Chamber were overhauled and refinished on top with new red inserts and new ink wells.

Preparations were made in the Lieutenant Governor's suite for their Majesties and rest rooms were set aside and suitably furnished with period furniture and oriental rugs and hangings. An awning was purchased to be erected when required over the approach to the west entrance. An etched panel with the crest of the Province was put in the west entrance doors. Deflectors were supplied and installed in the Lieutenant Governor's office and several pieces of furniture were re-upholstered.

Re Maintenance of Parliament Buildings and extensions generally:

The Buildings, including the Parliament Buildings, East Block, Numbers 11, 15 and 39 Queen's Park, Highway's and Provincial Police Garages, 112 College Street, Liquor Control Board offices at 454 University Avenue, the Labour Bureau at 70 Lombard Street and the Sewage Laboratory at 807 Richmond Street West have been kept in good repair.

At the beginning of March 1939, there was sent from Vancouver a chair which was one of the very early Speaker's chairs. This chair, presented to the Province by the representatives of the late Honourable Rupert M. Wells, who was member for Bruce South and Speaker of the Ontario Legislature from 1874 to 1880, was designed and manufactured by Messrs. Hay and Company, who were successors to Messrs. Jacques and Hay of Toronto. So far as can be ascertained this chair appears to be the second Speaker's chair supplied to the Legislature; the first having been supplied at the time of Confederation when the House opened on the 27th of December 1867. The chair has been restored, re-upholstered and has been placed on the throne of the Legislative Chamber and again used as the Speaker's chair. The first Speaker to use it after re-conditioning, as aforesaid, was the present Speaker, the Honourable James H. Clark, Member for Windsor, Sandwich. Because of its historic value and interest, this chair is likely to be regarded as a permanent fixture for all successive Speakers.

The Council Chamber and the ante room adjoining, have been completely redecorated and all unsightly and exposed piping has been boxed in. The wood panelling was cleaned to the white and finished natural colour. New panelling was supplied when required and new bookcases and radiator screens have been made to work in with the panelling. Reconditioned draperies for windows and venetian blinds have been installed and new red carpets have been laid.

The original gas and electric fixtures lighting the Legislative Chamber have been remodelled and modernized and the lighting of the Chamber thereby improved. The seats in the east and west galleries were re-upholstered. Electric fixtures from the cafeteria were remodelled and modernized and put up in the Council Chamber. One of the original fixtures, formerly in the Government Members' Smoking room, was remodelled and modernized and hung in the music, or reception room of the Lieutenant Governor's suite. These old original fixtures are of fine hand wrought brass, and have been, in this way, carefully preserved.

Two drinking fountains were installed. The two men's lavatories in the north wing have been remodelled with new lavatory basins taken from the centre of the rooms and re-arranged along the walls. A new sink was installed in the Speaker's apartment. The cafeteria serving counter has been remodelled for the serving of cold lunches only; pantry rooms in cafeteria have been thoroughly overhauled and redecorated.

Considerable plaster repairs throughout have been made. New screen partitions have been put up in room 417 in the north wing. A photograph room and workroom have been fitted up for the Department of Highways in the basement space used formerly for a kitchen store and offices. An air conditioning cabinet was supplied and connected up in the Attorney General's room. Awnings and venetian blinds have been repainted, replaced and renewed as required and all upholstery kept in thorough repair by the maintenance staff. Chair covers were made for furniture in the Lieutenant Governor's suite. Elevators have been overhauled and repairs carried out as required.

The fire escape in the east court has been overhauled, the rust eaten members replaced and the whole repainted.

The outside window areas in the north wing, east court, were rebuilt and raised above grade; snow guards were put on roof at west courtyard and some 14 squares of slates were renewed and valleys and gutters renewed in copper where required.

East Block:

In the East Block, new screen partitions have been erected in the Labour Department and the Highway's Department and new special type electric fixtures have been supplied in the Highway's Drafting room; additional dictographs have been installed in the Department of Welfare and throughout the building the Holland blinds have been renewed as required.

The cafeteria has been completely redecorated throughout, under contract and the old floor taken up and relaid with mastic tile. The service counter has been repaired and partially remodelled; curtains have been dyed and all tables have been remodelled and supplied with linoleum covered tops.

An additional vault door was supplied and installed in the vault off the library in the Department of Mines.

The furniture of the Honourable the Minister of Highways has been re-upholstered by the mechanic's staff. The printing room for the Department of Highways, in the basement, was remodelled. Complete portable laboratory benches, properly equipped, were made for the Department of Health, for use as required in emergency cases.

No. 1 steam boiler was fitted with new clinker chills. Repairs have been made to outside weigh scales.

At No. 11 Queen's Park, improvements to offices for Associated Medical Services were made. The felt, tar and gravel flat roofs were relaid and toilet accommodation improved and added. Offices were fitted up for the Department of Highways, including new partition and painting. The Provincial Police were accommodated in the main garage and the Police Garage was fitted up for offices to accommodate the Provincial Police on the top floor and sign paint shop for the Department of Highways on the ground floor.

At No. 39 Queen's Park, flashings, gutters and downpipes were renewed.

At No. 807 Richmond Street West, the Experimental Station for the Department of Health, repairs were made to the outside sheeting of walls. The gas heated steam boiler for the heating of this building was disconnected and removed and individual gas fired unit heaters were installed to heat the building.

At No. 70 Lombard Street, two propeller type fans were installed in monitors to increase ventilation.

At 454 University Avenue, plaster repairs were made to the Ontario Savings Office, which was also entirely repainted. The main cornice was repaired. Fan-lights were repaired.

Osgoode Hall:

Alterations were made to convert the large east vault in the main first floor hall into a contractors' Liens Court Room. New floors were laid in linoleum; walls and ceilings painted and electric wiring and lighting was overhauled. Vault doors were removed and replaced by hardwood doors to match existing ones. The room was completely furnished with used furniture.

Repairs were made to plumbing pipes and to plaster work in halls.

The side walls and ceilings of the first floor of the rotunda were washed down and repainted and the connecting wide corridor to the north was washed down and the walls and ceiling painted; the stonework of decorative columns and dadoes was also cleaned down.

Permission was granted to the Law Society to occupy the second floor south west corner and the third floor immediately over, for the temporary extension of storage space for the Law Library and to place a partition across at head of south west stair with an access door for watchman only. The flat roofs over the central and staircase halls were relaid under contract.

EDUCATIONAL BUILDINGS

Normal and Model Schools, Toronto:

The Superintendent's residence on the grounds has been painted and papered. Brickwork repairs have been made to boilers; linoleum has been laid on floors in the kindergarden room and individual rugs supplied for pupils. Repairs have been made to slate roofs and to flashings and troughs. Repairs have been made to iron enclosing fences and new gates have been supplied and installed, where necessary.

Plumbing and electric work has been installed for domestic science equipment, which was to be rebuilt by the Department of Education from old equipment.

Normal and Model School, Ottawa:

Improvements were made to the Assembly Hall by renewing the gallery and moving the platforms to the north side of the room. Plaster repairs were made and the hall redecorated. The library, sewing room, teachers' room and portions of halls and corridors were painted. Repairs were made to the plumbing, the wiring and the roofing. New steel flag pole to replace the old one, was erected.

Plans were prepared and alterations had been started to provide additional lavatory accommodation for men, but the work was stopped at the commencement of the negotiations to transfer the use of the school building to the Dominion Government.

In October negotiations were completed for the use and occupation of the building by the Dominion Government as an extension of their offices and arrangements were concluded with the City of Ottawa Education Authorities to occupy Elgin Street Public School for Norman School purposes and the model school pupils were transferred to other public schools in the City of Ottawa. Equipment and furnishings required for the Elgin Street School were transferred from the Normal School and furnishings not so required were stored temporarily in the roof spaces of the Normal School. Terms of lease and other arrangements in connection with this matter are on file in the vault of the Secretary of this Department.

London Normal School:

New birch floors were laid on the first floor halls, corridors and classrooms to replace the badly worn fir floors; changes were carried out to improve the three last steps of stairs by making the treads conform with the steps. The treads of the three stairs from first to second floors were sanded and refinished. The walls and ceilings of halls of the first and second floors; the Principal's, Secretary's and Teachers' offices, the art room, library, one class room and the lavatories and four cloak rooms were washed and painted and all woodwork in these rooms washed and varnished. Repairs of a minor nature were also made.

Hamilton Normal School:

Considerable alterations were made to the main roof. Parapets were lowered and all galvanized iron work of balustrades, coping and main cornice were removed and cornice, copings and flashings replaced by copper. The roof slopes were altered to drain to new down pipes of cast iron, taken down inside the building and connected to drains in basement and a new built up felt, tar and gravel roof was applied. In five class rooms and the assembly room, walls and ceilings have been washed and repainted and woodwork in these rooms washed and varnished. Repairs were made to plumbing; tile work on walls of lavatories was repaired and minor repairs to boilers were made to the brickwork of the arches. Several new tubes have been supplied.

North Bay Normal School:

Twenty artificial stone sills, which were in bad repair, were replaced by natural stone. Six class rooms and Principal's and Secretary's offices were redecorated; eight class room floors were sanded and finished. Walls and ceilings at boys' entrances were painted. Battleship linoleum has been laid on the floors of the Secretary's and Principal's offices and lavatory adjoining. Old faucets were replaced in the girls' lavatory and slop sink was removed to a new position in the cloak room. Repairs of a minor nature were made to roofing of south porch.

Peterborough Normal School:

Part of the floor in basement corridor was removed, new joists put in and new flooring laid. Stonework has been repointed and concrete steps have been replaced where necessary. Brick parapets have been repaired and rebuilt as required and recovered with galvanized iron and reflashed. Skylight over art room has been overhauled and repaired. Repairs have been made to side walls. High flush tanks to eight toilets have been changed to low down tanks in girls' lavatories. Three class rooms and the chemistry room have been painted and floors in first floor halls and corridors have been sanded and refinished. Exterior iron covering of dome has been painted.

Ontario School for Deaf, Belleville:

Walls and ceiling of kitchen, scullery, two store rooms and staff dining room were painted. Five staff residences were papered and painted inside and one painted outside. The Superintendent's residence has been painted externally. Walls and ceilings in the girls' dormitory building have been painted. A new basin has been installed in the dental room in the hospital building and dental equipment has been connected up. The plumbing in the girls' dormitory building has been overhauled and repaired. Repairs have been made to roofs of main building, staff residences, girls' dormitory, Engineer's house, sewage pump house and Bursar's house. Repairs have been made to boiler brickwork and boiler house chimney and boiler tubes and dead plates have been renewed. Improvements have been made to pole line to staff residences for electric power and new cable was supplied on this line for private telephone service. Drainage to roads at Superintendent's residence has been improved.

Ontario School for Blind, Brantford:

Several rooms in the Superintendent's, Bursar's and Caretaker's residences were repapered and woodwork in these rooms painted. In the girl's dormitory building a new water heater and storage tank was supplied and installed. A new steel flag pole 40 feet high has been erected in front of the main building. Repairs have been made to felt and gravel roof over kitchen and a new ventilator has been put in at boilers.

Ontario Training School for Technical Teachers, Hamilton:

Painting work has been done in five class rooms and in lavatories; woodwork in these rooms was washed down and revarnished. The door locks throughout have been overhauled and repaired. Minor repairs were made to plumbing and heating systems and to roofs.

AGRICULTURAL BUILDINGS*Ontario Agricultural College, Guelph:*

A contract was awarded for the grading and surfacing the roadways around the campus with asphaltic compound and the work has been completed. The elevated water tank has been cleaned out and the tank and supporting tower house painted.

Repairs have been made to stone work on Administration and Students' Residence Building, Dairy Building, Trent Institute and Dining Hall Building. The foundation walls of the Chemistry Building and Mills Hall were waterproofed

by the laying of weeping tile and cementing and waterproofing the face of the walls with asphaltic compound. Repairs were made to roofs of Macdonald Hall; a contract was awarded for special indirect electric fixtures in the assembly room of Macdonald Hall. A new asphaltic shingle roof was put on the animal Building with all new flashings and gutters. The walls and ceilings of the Main Dining Hall (Creelman Hall) were painted and woodwork revarnished. Linoleum treads were laid on the stairs and new window shades were supplied and installed throughout. The plaster ceilings in the basement under the Main Dining Hall was removed and replastered on metal lath; bridging of the joists being first re-nailed where required and new plates added to steel beams. Repairs were made to the freight elevator. The first floor auditorium and library in the Massey Library, including staircase and offices were painted and woodwork varnished. All of the painting work was done under contract.

Plaster repairs were done in the Maids' Dormitory Building, Physics, Chemistry and Dairy Buildings. Other repairs in the Dairy Building were made to terrazzo floors. The replacing of cork in butter storage rooms and to coils in cold storage was carried out. A new gas main was installed for the gas supply to the Nutrition Laboratory and improvements were made to the ventilation of this building.

In the Memorial Hall, organ screens were put in for the new organ installed by the student body.

Ontario Veterinary College, Guelph:

In the Students' common room a new birch floor was laid and finished and varnished. New seating was installed in laboratory. An extension of a temporary type was made to the morgue at the back of the building.

Agricultural School, Kemptville:

Plans were prepared and contracts have been awarded for the erection of a new dairy building. The old accommodation for the work of a dairy school in the south end of the main building was found to be inadequate. The new building is of two storeys and basement in height, with walls of brick on a concrete foundation and with a flat roof and accommodates in the basement common rooms and locker rooms with lavatories adjoining for male and female students; mechanical room with high pressure boiler for steam to vats and with refrigerating apparatus and general storage rooms. On the first floor are butter and cheese making rooms, separator room, cheese and butter refrigerated storage rooms and instructor's offices. The floors of the workroom are finished in machine trowelled and hardened cement floor and walls are cement finish on furring tile. On the second floor, there are general rooms, an assembly hall to seat 140, a lecture room to seat 48, an instructor's laboratory and milk testing laboratory and an office and laboratory stores. The building was laid out to be heated from the central heating plant in the main building. Contract for the general trades was awarded to the Holmes Construction Company of Kemptville; for heating and plumbing to Purdy Mansell Limited, Toronto and for electric work to the Windeler Electric Company of Toronto.

A contract was awarded to the Ottawa Boiler and Steel Works for the supply and installation of two welded steel heating boilers and to the Livingston Stoker Company to supply and install two Livingston Underfeed Stokers. The existing vertical high pressure boiler was retubed by the Campbell Steel and Iron Works of Ottawa, for use in the new dairy building. Improvements were made to

the lighting of the entrance to the grounds at the north entrance and two additional lighting standards were installed. Repairs were made to the roof of the Stock Judging Pavilion, Students' residence and Main Building and the Herdsman's cottage and piggery were re-roofed. General repairs were made to platform scales and to the Engineering Building.

Western Experimental Station, Ridgetown:

The farm greenhouse was thoroughly overhauled and repaired and painted under contract. Painting and papering of walls in Superintendent's residence was done and awnings renewed there. Repairs of a minor nature only were done at the school.

Horticultural Experimental Station, Vineland Station:

A new steel wire fence was supplied by this Department and erected by the Department of Highways along the altered boundary of this property caused by the cutting through of the new Queen Elizabeth Way. Other boundaries on the east property were also fenced in at the same time. Repairs of a minor nature only were made to the buildings, including repairs to boiler house chimney and glass for greenhouses to replace breakages and repairs to roofs of administration building, dormitory building and cottages.

Demonstration Farm, New Liskeard:

Repairs of a minor nature to roofs and eaves troughing only were made and some fly screening done for office.

DISTRICT BUILDINGS

Algoma:

General repairs were made to the District Buildings at Sault Ste. Marie, including the Court House, old Registry Office (now used by the Red Cross), and the Gaol. Extensive repairs were made to the plaster work of the Court House and the interior was painted under contract. Repairs were made and new hinges put on eight doors and screens and shelving was erected for additional library accommodation. Ten rooms on the second floor, six rooms on the third floor and two rooms in the basement were painted under contract.

At the Gaol, the drainage of grounds was studied and plans were prepared and the necessary tile ordered; the labour to be done by the inmates. Repairs were made to metal divisions to cells. Repairs were also made to the plumbing and new toilet fixtures were supplied to repair damaged fixtures. Repairs were also made to plumbing piping. Paint was supplied for painting inside of the building, the work to be done by the inmates.

Manitoulin (Gore Bay):

General repairs were made to all buildings, including Court House, Gaol, and Registry Office. In Jailer's residence, four rooms and hall were painted. Interior of Gaol fence was painted.

In the Registry Office, the walls, ceilings and woodwork were washed and walls and ceiling painted and counter at rear grained and desk re-varnished.

Floors of the Court House corridors, Sheriff's office, Library, School Inspector's office, Crown Attorney's office and Court Room were covered with triple A linoleum.

Roof of the Court House was re-shingled with cedar shingles with new flashings and valleys.

New plaster cast of Coat of Arms was supplied and installed with bracket above the Judge's chair.

Cochrane:

The Judges' Chambers were painted; new reflector lamps were supplied throughout the Registry Office for the improvement of the lighting there. The floors were relaid in Battleship linoleum. Repairs were made to the roof and the roof re-coated; storm sash were supplied to the triple windows in the front of the buildings and windows throughout were reputtied where necessary. A new power lawn mower was supplied. The woodwork and galvanised iron work on the exterior of the Court House was painted.

At the Hearst Gaol, repairs were made to the Delco system and 16 new cells were supplied.

At the Government building at Matheson the exterior was painted.

Kenora:

At the Court House, new library bookcases were supplied and installed and a new oak screen partition placed across the library. The floors on the second floor corridor were sanded and recovered with linoleum and the walls painted. Painting was also done in several rooms in the Court House including the Judges' Chambers, Barristers' room, Judges' retiring room, Library and Magistrate's office. New electric fixtures were supplied in the Sheriff's, Magistrate's and Judges' offices. New eaves troughs were supplied to the Gaoler's house and paint was supplied to the Gaol to be applied by inmate labour. Repairs were made to the pump motors. Seeds and plants were supplied for the upkeep of the Court House and Gaol grounds.

Muskoka:

Sketch plans were prepared for a proposed new district Gaol, but no further work was done in connection with this matter.

Nipissing:

The Court House ceilings have been acoustically treated and the Court Room painted. Interior painting has been done in the Judges' Chambers and the roof space over has been insulated. Other minor repairs have been done at the Court House and Judges' Chambers and Registry Office.

At the Registry Office, the roof has been re-shingled and the roof over the verandah to the Health Clinic has also been re-shingled.

At the Gaol, paint has been supplied for application by inmate labour and repairs have been made to the chimneys and pointing up of steps. New lawn mower was supplied and repairs made to the jacket heater. In the cells, tables were provided with swivel seats, manufactured by the Ontario Reformatory Industries. Repairs were made to the brickwork of the boilers.

Parry Sound:

Plans and specifications were prepared for remodelling of the Gaol, particularly with a view to making it fireproof. The work was proceeded with by day labour and the east corner only was done and has been completed and occupied.

The rear portion of the Registry Office was shingled and the interior painted under contract. Painting was done to the interior of the Court House, including the Judges' retiring room, Barristers' room and lavatories, Jury room, Barristers' consulting room and Childrens' Aid section. The floors in the five rooms and hall on the second floor of the Court House and the living room and hallways in the Gaoler's residence were sanded, waxed and varnished and, in the Registry office, the existing linoleum was varnished and waxed.

At Burks Falls, a new toilet and slop sink were installed at the Lock-up and a coal bin was built in the basement and door put in the basement to cut off this building from the firehall.

Rainy River:

The Court House at Fort Frances was re-shingled with asbestos slates under contract and the flat roofs were re-laid and several minor repairs were made.

Sudbury:

Alterations were continued at the Court House and an apartment was provided by altering the attic space for the caretaker and the apartment formerly used by him in the basement, was reconstructed and converted into a Magistrate's court room with private room adjoining. This arrangement gives a separate outside entrance to the Magistrate's court and overcomes the objections met with in the crowding up of the Court House corridor by the public attending the Magistrate's Court. Several other minor alterations were made and linoleum was provided and laid on the main stairs of the Court House and corridors and the Sheriff's office and in the court room and Registry Office.

Temiskaming:

The painting of the interior of the Court House was done by day labour. Repairs were made to the roofs and to the pointing of stone and brickwork at the District Gaol. Paint was supplied to be applied by inmate labour. The Gaol yards were laid with crushed stone and in the cells combination tables and chairs were provided, manufactured by the Ontario Reformatory Industries. Repairs were made to the roofs generally and the main roof of the Court House was re-coated with asphalt, including the upper exposed parts of galvanized iron copings and cornices.

Thunder Bay:

Repairs were made throughout to plaster work and a contract was let for painting of the various rooms and offices, including the Sheriff's office, Registrar's office, Witness and Barristers' rooms, Provincial Police office, Jury rooms, lavatories and a public corridor and stairways. Some 74 new window shades have been supplied.

At the Registry Office at Fort William, a new domestic hot water tank was supplied and installed.

At the District Gaol, Port Arthur, some of the locks have been repaired and a new cooking range was supplied and installed. Minor repairs were made to the plumbing.

ONTARIO HOSPITALS

Brockville:

Extensive repairs were made to the wooden verandahs of cottages A and B and 1 and 2.

A fire escape was erected on the patients' building at the Stag Farm, where all the work was carried out by day labour.

Cobourg:

Minor repairs were made to the roofs, including the eaves trough and conductors.

Fort William:

A new roof was put on the Main Building, work having been done by contract and repairs were made to the plaster work caused by roof leaks before the roof was relaid. Repairs were made to the water supply pump and an altitude gauge was supplied for installation in the pump house.

Hamilton:

Roofing repairs were made at the Amusement Hall, Nurses' Residence, Reservoir, East House and Superintendent's residence.

A new tumbler dryer was supplied and installed.

Kingston:

The filter house at the Sewage Disposal Plant was in a dilapidated condition; stone walls were taken down and rebuilt and the building reroofed with new material. In the engine room a new domestic hot water tank was supplied and installed. The heating tunnel was extended to the south west corner of the stores building in order that the steam piping, which formerly passed through the building, could be re-routed to prevent over heating. The wooden steps on the west side of the Main building leading from the Assembly Hall and Ward 9 were replaced by concrete steps to complete a fire exit staircase for this part of the building.

Plans were prepared for a new milk pasteurizing room and the work was to be carried out by the mechanics of the hospital. Necessary alterations have been carried out, following a fire in the toilet off the kitchen, and a new toilet of fireproof construction has been installed.

London:

Repairs were made to the roofs of the Main Building, Barn and the Pig-gery. Wooden fire escapes were erected on the attendants' dormitory and farm cottage and these buildings are now used for the housing of patients. A fire escape was also installed on the carpenter shop and a plaster ceiling installed where required over the ground floor section of the building, to provide for additional temporary quarters for patients.

New Toronto:

Considerable alterations were made to the toilets in cottages 3, 4, and 5; the marble work enclosing the pipe chases was entirely remodelled and set back

to provide for the use of exposed flush valves, which were supplied to all toilets. Door locks in these cottages were overhauled. Plaster repairs were made in the Assembly Hall and in the Nurses' Residence and wire guards were supplied to a number of the cottage dormer windows.

Orillia:

Plans were prepared for a proposed sun room addition and other alterations on the north side of the Main Building, to be used for male patients, similar in every respect to the recent additions on the south side for female patients, but the work has not been proceeded with. Some improvements were made to the worn out treads of various stairs, where the wooden treads were considerably worn, the work being done by the hospital mechanics staff.

Penetanguishene:

Repairs to roofs of a minor nature were carried out on several of the buildings.

Toronto (999 Queen St. W.):

The railway siding was fully repaired and rails relaid by the Canadian National Railway Company.

Woodstock:

Additional protective radiator guards have been installed in the male and female infirmaries.

Storage type water heaters, 36" diameter by 9 feet long were installed in cottages A and 2 of the Adult group. Repairs were made to the roof of the Garage Building which was damaged by storm.

A portion of the existing laundry building was segregated and sterilizing and washing equipment was installed to provide for proper washing and sterilizing of all goods from the new Tubercular portion of the hospital before such goods are sent through the regular laundry and finishing process.

New drainage outlet units were installed for shower baths in the Infirmary building.

The basement of the Doctor's residence on the east side of the Highway, was protected from flooding by coating the lower walls and laying weeping tiles joined to the field tile system; the labor was performed by the hospital staff mechanics and inmates.

Whitby:

New stokers were installed under numbers 1 and 2 boilers, which included the necessary structural changes and underpinning. In the boiler house proper, a new metal lath and plaster ceiling was installed. At the rear entrance to the Administration Building the porte-cochere was rebuilt to carry out necessary repairs and to provide that the width be increased to permit of easy turning for traffic. The steps to the dining hall were rebuilt and repaired. Wooden fire escapes were erected on both the Nurses' Annex and the Nurses' old residence. Repairs were made to hospital roofs generally and to the roofs of farm buildings. Alterations were made to provide for the housing of the pasteurizing machine in a space separated from the can sterilizing and washing space.

Port Arthur:

The Administration Building was arranged to be taken care of by the Gaol officials with the help of inmate labour, keeping up the heating in the winter and doing any necessary caretaking.

Brampton:

Is in charge of a resident caretaker.

NEW ONTARIO HOSPITALS

St. Thomas:

The various buildings at the Ontario Hospital St. Thomas have now been completed, including the Administration and Hospital Group and the Laundry and the Nurses' Residence. A contract was awarded to the Canada Electric Company for the lighting of the grounds and to the Sterling Construction Company for the completion of the roadways and walks in front of the Administration Building. The completion of the work on the grounds was carried out by day labour. Trees were planted along both sides of the highway.

This institution, by Order-in-Council, was loaned to the Dominion Government Department of National Defence, for the duration of the war, for use as an Air Training School. The patients which were in residence at this hospital at the time were transferred to other institutions. The agreement provided for the occupancy of these premises by the R.C.A.F. as of October 23, 1939.

Woodstock:

The new extension to this hospital, known as the "Childrens' Unit" has been completed and is now being used for the housing of Tubercular patients and alterations have been carried out in the basement to provide an electric encephalographic examination unit, together with a dental treatment and laboratory centre.

Plans have been prepared for a new piggery building and cook house in connection therewith and a site lying to the north east of the new hospital group was selected. The work of building the cook house was carried out by day labour; the piggery portion has not yet been started.

The work of installing new electrical feeders to the new buildings known as the "Childrens' Unit" and revised wiring and transformers for the Adult group was put in hand following negotiations whereby an arrangement with the Hydro Electric Power Commission was made to raise the primary voltage of current to this hospital to coincide with the Commission's plan to raise the voltage for the whole district to properly take care of the greatly increased power demand in the rural district system in this section of the country.

Arrangements were made to install the telephone service to the new "Childrens' Unit" extending from the central board in the adult group.

Langstaff:

The whole of the buildings at Langstaff belonging to the City of Toronto were leased and fitted up for the housing of mental patients for the duration of the war and six months thereafter.

ONTARIO REFORMATORIES

Industrial Farm, Burwash:

One, two family house for guards has been completed and occupied and the four family house has been completed. The basement under the dormitory block has been made into a finished basement with new metalcrete floor and the tiling and plastering of the walls and the fitting up of lavatories. The equipment of the hospital wing has been completed. At No. 5 camp a new hot water storage tank was supplied and a water heater put in for the water supply tank of the tower.

Industrial Farm, Monteith:

The work of renovation of the buildings has been completed and repairs have been made to the power dam and the turbine of the electrical development plant and the electric pole lines have been overhauled and the poles straightened and replaced where necessary and considerable new wiring has been put in. A new water main has been laid from the pump house at the river to the elevated tank with the extensions to the various buildings; this replaced the original galvanized iron pipe which had become badly rusted and beyond economic repair.

Ontario Reformatory, Guelph:

A new cell group has been completed and occupied. The outside brick walls of this cell group, together with the previously built walls of the Assembly Hall have been plastered in cement, the work being done under contract. Landscaping has been completed by the Reformatory around the cell group and the yard between it and the Assembly Hall has been laid in concrete with the necessary connecting sidewalks. A new steam main has been laid from the machine shop to the greenhouse and from the new cell group to the Superintendent's residence, the work having been carried out by Public Works mechanics and inmate labour. The upper portion of the barn, which was partially destroyed by fire, was rebuilt.

New boilers and stokers were installed in the central Power Plant under contract, by the Waterous Engine Works of Brantford and a new condensate pump was also supplied and installed.

Rondeau Provincial Park:

The new pavilion at Rondeau Park has been completed and furniture installed.

MISCELLANEOUS

Advice was given to the Authorities at Welland in connection with the general re-arrangement and re-planning of their Gaol and interviews held with their Architect as to details.

The old Dairy Building at Kingston, which has been disused for the past three years, has been reconstructed and fitted up as a government building for the housing of the branches of the following Departments,—Highways, Health, Welfare and Agriculture. New controls for stokers for the boilers were installed and the entire heating, plumbing and electric wiring systems were overhauled and the whole building was painted, internally and externally and all the necessary repairs made to glazing and to roofs.

Sites were examined at Ottawa for a proposed new storage building and workshop for the Department of Highways and sketch plans were prepared but the work was not proceeded with.

Plans were also prepared for a storage building and workshop at Port Hope and tenders were called for, but the work was not proceeded with at the time.

Working drawings were prepared for the Department of Highways for weigh scale stations on the various highways and were supplied to the said Department for their use.

Plans were prepared for a pavilion to be erected at the Forestry Experimental Station at Midhurst and the building was erected by the Department of Lands and Forests.

Plans were prepared for the extension of the boys' camp at Lake Couchiching and a new dining hall for officers was provided, the work being done under contract and the building was completed in the early spring and occupied during the summer.

Considerable renovations were made to the experimental apple cold storage at Brighton, the pitch roof was removed from the west half of the building and a new felt and gravel roof, properly insulated, was laid over the entire structure. The cooling coils were re-arranged and repaired and replaced with new coils where necessary.

FISH HATCHERIES

The work in connection with the fish ponds at Hills Lake has been completed and the ponds and the new hatchery have been stocked. The work in the fiscal year referred to herein consisted of the construction of a flume and the building of a hatchery building, ice house, residence and garage.

At Skeleton Lake, a hatchery, new residence and garage have been built under contract and some grading and sodding have been done around number 5 pond.

RE CONSULTATION WORK ON SCHOOLS

At the request of the Department of Education, sketch diagrams of various types of plans were submitted to the following School Boards to assist them when deciding on their requirements,—

No. 1 Kashabowie

Arbour Vitae

Medora and Wood (United Townships)

Public School Inspector District Division V

Public School U2 Bigwood and Delamere

Public School 3 Rayside

Public School 1 Pic

Wolford Township

Bleazard Valley

School Section No. 2 Brunel Township

Stratford

Public School Section No. 4 Rayside

Sprucedale Public and Continuation School Board

McGregor Township School Area

Plans and specifications were examined and reported on for,—

Addition to Toronto Danforth Technical School,

Additional to Technical School, Sudbury,

New Separate School in Smooth Rock Falls,

Proposed High School at Palmerston

Inspection of School No. 19 at Yarmouth was made and reported upon.

Suggestive plans of small rural schools were prepared for use of the Department of Education, using one-roomed, two-roomed, three-roomed and four-roomed types.

RE EXAMINATION OF PLANS FOR DEPARTMENT OF HEALTH

Plans were examined and recommendations forwarded to the Department of Health in connection with proposed new hospital buildings additions or alterations, at the following locations,—

Kemptville General Hospital, Kemptville,

Matheson Hospital, Matheson,

Private Hospital, Waterford,

Private Hospital, Geraldton,

General Hospital, Belleville,

General Hospital, Brantford,

Brant Sanitorium, Brantford,

Muskoka Hospital for Consumptives, Gravenhurst,

Weston Hospital for Consumptives, Weston,

Essex County Sanitorium, Windsor,

Victoria Hospital, London,

Protestant Childrens' Hospital, Ottawa,

Listowel Memorial Hospital, Listowel,

St. Paul's Hospital, Hearst,

Riverdale Isolation Hospital, Toronto,

Memorial Hospital, St. Thomas,

Proposed Hospital Berens River Mines, Favourable Lake,

General Hospital, Galt,

McCormick Home, London,

Oshawa General Hospital, Oshawa,

Hospital for Incurables, Dunn Ave., Toronto,

Convalescent Hospital, East Windsor,

Kirkland District Hospital, Kirkland Lake,

Hotel Dieu, Cornwall.

Mr. George White, having reached superannuation age, after service with the Department of approximately twenty-seven years, retired on the 31st of December, 1939, but was retained in a consulting capacity until the end of the fiscal year, 31st of March, 1940.

This report, showing the work of the Architect's Branch of the Department of Public Works closes the term of Mr. White's services as Architect of the said Department.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS, *Chief Architect.*

Toronto, March 31st, 1940.

REPORT OF THE ENGINEER

March 1st, 1941.

HONOURABLE F. R. OLIVER,
Minister of Public Works,

Sir,—

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1939 to March 31st, 1940.

All the work was done by day labour under local foreman, employing local men and using local material wherever possible, except the dock at Sioux Lookout which was done by contract.

The usual maintenance of locks, dams, docks and navigable channels was carried out. One new timber dam and two concrete dams were built and a new dock built at Abrams Rapids near Sioux Lookout.

Maintenance work was as follows:—

Magnetawan Lock Gates:

These gates have been in use for 29 years and had become badly decayed and worn so that they were dangerous and hard to operate. The four gates were completely renewed with British Columbia fir. It was impossible to get timbers large enough for this work in these parts. They were built during the winter so as not to interfere with navigation, and were ready for use in the spring of 1940.

Baptiste Lake Dam:

The sluice-way in this dam is 20 feet wide and 15 feet deep, and it was always very difficult to get the stop logs down tight to prevent leakage through them. Considerable driftwood had lodged against them, so it was decided to remove all the stop logs and let the drift wood through the dam. Eight new stop logs with steel I beam centres were put in the bottom, the steel giving them weight enough to carry them down tight and prevent leakage. A crack in the west wing of the dam was repaired by grouting with concrete.

Rama Canal Dam:

The old crib work in this dam was badly decayed and the dam was leaking badly. New timber crib work was put in and new sheeting put on the face of the dam. Some new filling was placed on the dam and the roadway across it put in good condition.

Tasso Lake Dam:

Some new sheeting and fill was put on the face of this dam to make it safe.

Port Carling Dam:

During the summer of 1939, a leak developed under this dam which undermined one of the sluice-ways and two of the piers. A coffer dam was built around the piers and sluice-way, and fresh concrete put in to make them safe.

Rainy Lake Dam:

A leak had developed under one wing of this dam. This was repaired by filling it with concrete.

Huntsville Locks:

Some of the timber in one of the gates was so badly decayed that the gate could not be opened or shut. The decayed timber was replaced and the gate put in operating condition. Other minor repairs were made to the locks.

Port Sidney Dam:

The deck of this dam was renewed and some other repairs made including some new stop logs.

Bala Dam:

The deck of this dam was repaired and some minor repairs made.

Port Carling Dock:

The dock on the north side of the lock was renewed from the shelter house to the upper gates and all decayed planks in other parts of the dock replaced.

Baysville Dam:

The deck of this dam was renewed and several leaks in the east wing of the dam were repaired with concrete grouting. Some new stop logs were provided.

Port Carling Locks:

One of the lower gates had settled so that it was dragging on the bottom and was hard to operate. The decayed timber back of the gate was renewed and the gate raised so that it could swing clear of the bottom.

Navigation:

The buoys on the Muskoka Lakes and Magnetawan waters were replaced and the boat channels kept clear of all obstructions for navigation.

DAMS CONSTRUCTED

Blind River Dams:

The river at Blind River is divided into two channels, one at the town of Blind River and the other about a mile west of the town. Timber dams have been built on these channels years ago by lumbermen for log driving and other purposes. Of late years the dams have been neglected as lumbering operations became a thing of the past. The dams were finally taken away by the spring flood. This lowered the water in the lake at Blind River, causing much inconvenience to settlers and tourists and created an unpleasant condition from a health standpoint.

A new concrete dam was built on the east channel in the town of Blind River. This dam is about 200 feet long and 15 feet high at the main sluice-way. It is provided with 4 sluice-ways, each 15 feet wide and from 12 to 6 feet in depth. Each sluice is provided with stop logs. Two steel hand winches running on steel

rails are provided to handle the stop logs. A timber deck 12 feet wide is provided over the sluice-ways. Steel chases are provided for the stop-logs to slide up and down in. The dam is on solid rock.

A fishway was provided at the west end of this dam.

On the west channel a solid timber dam was built. It is about 150 feet long and 10 feet high. It has a spillway 90 feet long to help take the spring floods. Heavy timber cribs were built and filled with rock. The upstream face of the cribwork was sheeted with plank and an earth fill placed in front of the sheeting.

Ragged Lake Dam:

This dam holds the water back on Ragged Lake and provides considerable storage for the regulation of the navigable lakes in Muskoka and for the power plants on the Muskoka waters. It also aids the lumbermen in driving logs from Ragged Lake to Smoke Lake.

The Hydro Electric Power Commission and the Barry's Bay Lumber Company contributed toward the cost of this dam.

This dam was built of concrete on solid rock foundation. It is about 300 feet long by 10 feet high and is provided with two sluice-ways 8 feet wide each and $9\frac{1}{2}$ feet deep, with stop logs and winches. Each sluice-way has a timber deck 10 feet wide. The dam holds a head of $9\frac{1}{2}$ feet of water on Ragged Lake.

Stoney Lake Dam, Sundridge:

For several years the tourists on this lake and some of the residents of Sundridge had been asking for a dam on this lake. No action was taken as several settlers around the lake objected to the building of a dam, as they claimed that it would cause extra high water in the spring and damage their property. A dam was designed so that when opened up it would carry as much water or more than could pass through the outlet before it was built.

A timber dam was built with a sluice-way 40 feet wide, which is wider than the original channel. The apron of this sluice is level with the original bed of the stream. The apron is provided with three large hooks spaced ten feet apart. Three brackets provided with eye bolts can be hooked on these hooks and planks placed against these brackets raise the water to the desired level. These are put in after the spring flood is over and are removed in the fall to provide for spring floods. The town of Sundridge agreed to operate the dam and be responsible for any damage done.

The dam has given satisfaction so far and no complaints have been received.

Abrams Rapids Dock at Sioux Lookout:

A new timber dock was built here. It is 400 feet long and built of timber cribs with 3 inch plank deck. This work was done by contract.

MUNICIPAL DRAINAGE

An appropriation of \$800.00 was made to each of the following districts for road drainage, Nipissing, Muskoka, Haliburton, Peterborough, Hastings West, Hastings East, Addington, Renfrew South, Renfrew North and Sault Ste. Marie, while \$1,000.00 was appropriated for Parry Sound District.

A grant of \$5,000.00 was given the Village of Overbrook in Russell County towards the construction of the Hurdman Drain in the Township of Gloucester.

PROVINCIAL AID TO DRAINAGE

Boyle Drain, Dover Township, Kent County:

This drain was improved by the Township of Dover under the provisions of the Municipal Drainage Act, in accordance with report, plans and specifications prepared by Mr. W. G. McGeorge, Civil Engineer of Chatham, Ontario.

The work started at the Baldoon Road and continued westerly along the course of the drain to Lot 7 Con. 10, Dover Township, a total distance of 44,000 feet or nearly 8½ miles. The work consisted of deepening, widening and straightening the old drain. The drain was made 14 feet wide at the upper end and 18 feet at the lower end. The depth of the cut averaged about 2½ feet. One bad bend in the drain was straightened and several points cut across.

The estimated cost of the work was \$13,000.00 which amount was assessed by the Engineer on lands and roads affected as follows—

Lands and roads in Chatham Township	\$ 1,724.00
Lands and roads in Dover Township	11,276.00
Total	<u>\$13,000.00</u>

The total cost of this work was \$10,713.40. This scheme was entitled to aid according to the Provincial Aid to Drainage Act. On examination, the work was found completed in a satisfactory manner, and on report a grant of \$2,142.68, being 20% of the cost of the work, was paid to the Township of Dover.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER,
Engineer of Public Works.

Department of Public Works, Ontario.

Toronto, February 20th, 1941.

THE HONOURABLE FARQUHAR R. OLIVER,
Minister of Public Works.

Sir,

I have the honour to submit the following statement showing the several contracts entered into with His Majesty during the twelve months ending March 31st, 1940, in connection with the Public Buildings and Works, subject to the control of the Public Works Department of Ontario.

I have the honour to be, Sir,

Your obedient servant,

DIGBY HORRELL,
Secretary and Purchasing Agent.

STATEMENT No. 22

Showing the several contracts entered into with His Majesty during the twelve months ending 31st March, 1940, in connection with the Public Buildings and Works, subject to the control of the Department of Public Works, Ontario.

Date	Work	Subject of Contract	Contractors	Amount
1939 May 25	Sault Ste. Marie, Ontario Government Air Base ..	Construction of Concrete and Steel Run- way	L. R. Brown & Co. Ltd., Sault Ste. Marie	\$12,220.00 less Sales Tax
June 30	Lake Couchiching, Ontario Athletic Commission ...	Erection of Administration Building	Fleming Planing & Lumber Mills, Gravenhurst	3,770.00
July 17	St. Thomas, Ontario Hospital	Freight Elevator in Power House	Otis Fensom Elevator Co. Ltd., Toronto	7,397.00
July 21	St. Thomas, Ontario Hospital	Installation of Elevator in Nurses' Resi- dence	Otis Fensom Elevator Co. Ltd., Toronto	18,250.00
July 31	Skeleton Lake, Muskoka Fish Hatchery	Construction of Residence and Garage ...	Wm. J. Le Quyer, Utterson	6,250.00
Aug. 2	St. Thomas, Ontario Hospital	Ground Lighting	Canada Electric Co. Ltd., Toronto..	33,773.00
Aug. 2	St. Thomas, Ontario Hospital	Water Mains and Hydrant	Eggett & Company, London	6,195.00 less Sales Tax
Aug. 21	Hill's Lake, Fish Hatchery	Erection of Hatchery Building, Residence, Ice House and Garage	D. A. McLeod, Charlton	16,700.00
Oct. 4	Kemptville Agricultural School	Construction of Dairy Building	Holmes Construction Co. Ltd. Kemptville	32,000.00
Oct. 5	Kemptville Agricultural School	Installation of Plumbing and Heating Sys- tems in Dairy Building	Purdy, Mansell, Limited, Toronto ..	6,178.00 less Sales Tax
Oct. 5	Kemptville Agricultural School	Electrical Work in Dairy Building	The Windeler Electrical Co. Ltd., Toronto	1,747.00 less Sales Tax
Oct. 19	Kemptville Agricultural School	Cold Storage Equipment in Dairy Building	Creamery Package Mfg. Co. of Can- ada Limited, Toronto	1,925.00 less Sales Tax

DIGBY HORRELL,

Secretary and Purchasing Agent.

STATEMENTS
OF THE
Accountant of Public Works
1939-1940

Department of Public Works, Ontario,
TORONTO, February 25th, 1941.

HONOURABLE F. R. OLIVER,
Minister of Public Works.

Sir:—

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings; also Capital Expenditure on Provincial Public Buildings and Public Works, during the fiscal year which ended on the 31st of March 1940.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Accountant Public Works.

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1ST, 1939 to MARCH 31ST, 1940

Service	Ordinary	Capital	Total
Main Office—Administration expenses, etc.	\$ 92,639.16		92,639.16
Maintenance and repairs, Government Buildings	670,853.65		670,853.65
Public Works—Maintenance	19,819.90		19,819.90
Public Buildings		2,311,996.96	2,311,996.96
Public Works		256,553.85	256,553.85
Special Warrants	59,824.25	41,829.52	101,653.77
TOTAL NET EXPENDITURE	\$ 843,136.96	\$ 2,610,380.33	\$ 3,453,517.29

STATEMENT OF REVENUE

MAIN OFFICE:

	Ordinary	Capital	Total
Commission on telegraphs and telephones	\$ 2,890.34		\$ 2,890.34
Sale of material	1,947.77		1,947.77
Rentals	25,261.25		25,261.25
Sale of property		11,250.16	11,250.16
Perquisites	1,866.00		1,866.00
Building equipment	162.20		162.20
Miscellaneous	37.65		37.65
Compensation from Dominion Government re. leasing Ontario Hospital, St. Thomas for war purposes	125,000.00		125,000.00
Compensation from Dominion Government re. occupancy of Ottawa Normal and Model Schools for war purposes	17,000.00		17,000.00
TOTAL	\$ 174,165.21	11,250.16	185,415.37

S. Wood,
Accountant.TORONTO, February 25th, 1941.STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31ST, 1940

ORDINARY

MAIN OFFICE:

Service	Amount	Amount
Salaries—Minister's salary	\$ 5,333.33	
Permanent	68,037.50	
Temporary	10,167.49	
Travelling expenses	2,697.74	
Maintenance	6,030.19	
Local Improvement Taxes	214.33	
Unforeseen and unprovided	158.58	
		\$ 92,639.16

GENERAL SUPERINTENDENCE:

Salaries—Permanent	7,173.00
Temporary	11,651.92
Services travelling and other expenses	5,974.81
	24,799.73

LIEUTENANT GOVERNOR'S APARTMENT:

Salaries	3,600.00	
Maintenance	981.54	4,581.54

LEGISLATIVE and DEPARTMENTAL BUILDINGS:

Salaries—Permanent	16,191.73	
Temporary	6,923.67	
Telephone service	39,937.55	
Typewriter inspection and repairs for all Departments	3,933.81	
Maintenance Staff—		
Salaries—Permanent	76,537.07	
Temporary	116,180.57	
Maintenance—		
Fuel, light, gas, water and power	53,697.09	
Cleaning supplies, upkeep of grounds and casual help	57,251.67	
Furniture and furnishings and equipment for buildings	1,148.04	
Mechanical Staff—Salaries—Permanent	7,400.00	
Repairs and alterations	75,794.88	
	454,996.08	
<i>Deduct Rentals—</i>	13,800.00	441,196.08

OSGOODE HALL:

Salaries—Permanent	9,400.00	
Temporary	10,924.09	
Maintenance —		
Fuel, light, water and power	4,397.10	
Furniture, furnishings and equipment		
Telephone service	2,729.60	
Cleaning of buildings and incidentals	1,110.66	
General repairs and alterations	6,032.07	
		34,593.52

EDUCATIONAL BUILDINGS:

Repairs and incidentals—		
TORONTO NORMAL and MODEL SCHOOL	1,473.51	
OTTAWA NORMAL and MODEL SCHOOL	2,462.60	
LONDON NORMAL SCHOOL	1,931.99	
HAMILTON NORMAL SCHOOL	10,444.35	
PETERBOROUGH NORMAL SCHOOL	3,522.95	
STRATFORD NORMAL SCHOOL	9.06	
NORTH BAY NORMAL SCHOOL	1,843.95	
BELLEVILLE SCHOOL for the DEAF	3,410.73	
BRANTFORD SCHOOL for the BLIND	933.58	
ONTARIO TRAINING SCHOOL for TECHNICAL		
TEACHERS, HAMILTON	1,172.05	
GENERAL—To provide for repairs, installation of boilers		
and heating plants in buildings and fire protection	1,061.79	
		28,266.56

AGRICULTURAL BUILDINGS:

Repairs and incidentals—		
ONTARIO AGRICULTURAL COLLEGE, GUELPH	16,749.13	
ONTARIO VETERINARY COLLEGE, GUELPH	447.33	
HORTICULTURAL EXPERIMENTAL STATION,		
VINELAND	1,321.20	
WESTERN ONTARIO EXPERIMENTAL FARM,		
RIDGETOWN	834.34	
AGRICULTURAL SCHOOL, RIDGETOWN	1,016.15	
AGRICULTURAL SCHOOL, KEMPTVILLE	1,260.98	
NEW LISKEARD DEMONSTRATION FARM	99.23	
PRE-COOLING STATION, BRIGHTON	4,861.77	
GENERAL—To provide for repairs, installation of boilers		
and heating plants in Agricultural Buildings and fire		
protection	5,554.91	
		32,145.04

TRAINING SCHOOLS:

Repairs and incidentals—		
ONTARIO TRAINING SCHOOL FOR GIRLS, GALT		586.75

DISTRICT BUILDINGS:

Repairs and alterations, furniture and furnishings and improvements to grounds for all District Buildings—

ALGOMA	2,801.11
COCHRANE	2,027.48
KENORA	2,513.39
MANITOULIN	1,769.33
MUSKOKA	108.52
NIPISSING	2,327.09
PARRY SOUND	2,342.50
RAINY RIVER	3,134.20
SUDBURY	4,573.72
TEMISKAMING	3,110.79
THUNDER BAY	4,551.89
GENERAL—To provide for repairs, installation of boilers and heating plants in Districts and fire protection	608.73
Salary of Caretaker, Temiskaming	720.00

30,588.75

ONTARIO HOSPITALS:

Repairs and incidentals—

BROCKVILLE	984.83
COBOURG	125.14
HAMILTON	2,218.34
KINGSTON	5,120.71
LONDON	719.70
NEW TORONTO	1,785.64
ORILLIA	666.99
PENETANGUISHENE	281.83
TORONTO	194.47
PSYCHIATRIC, TORONTO	102.40
WHITBY	22,805.31
WOODSTOCK	1,797.25
FORT WILLIAM	1,764.35
CONCORD	178.00

38,744.96

PUBLIC WORKS:

Equipment, instruments, machinery, scows, boats, rubber boots, motor trucks and cars

Lockmasters, bridge-tenders, caretakers etc.	956.36
Maintenance of locks, dams, dredging, etc.	4,301.94
Wages and expenses of Supervising Foreman	12,037.32
Maintenance of Hawkesbury-Grenville Bridge	2,049.67
	474.61

19,819.90

MISCELLANEOUS:

Restoring Monuments, Burial Grounds, St. Andrews West

To provide for expenses in connection with the visit of their Majesties	37.50
	35,313.22

35,350.72

SPECIAL WARRANTS:

Alterations to old Dairy School, Kingston

Expenses re. transfer of patients from St. Thomas Hospital	21,386.46
Farm operating expenses for Ontario Hospital, St. Thomas	14,308.61
Cost of providing quarters for staff and pupils Normal School, Ottawa	9,898.89
	14,230.29

59,824.25

TOTAL ORDINARY EXPENDITURE \$ 843,136.96

CAPITAL

AGRICULTURAL BUILDINGS:

HORTICULTURAL EXPERIMENTAL STATION,
VINELAND

Fencing grounds	1,630.00
AGRICULTURAL SCHOOL, KEMPTVILLE	
New Dairy School Building	40,545.72

42,175.72

ONTARIO HOSPITALS:

WOODSTOCK—To provide for construction of new children's unit and expenses in connection therewith.... 176,684.54

NEW UNITS—For the purchase of property, construction of buildings, purchase of equipment, furniture and furnishings and other expenses in connection with hospitals 1,837,542.00

2,014,226.54

ONTARIO REFORMATORIES:

Additions, alterations and equipment

GUELPH 70,325.80

BURWASH 23,204.02

MONTEITH 38,312.19

131,842.01

DISTRICT BUILDINGS:

To provide for construction of works and buildings, alterations and fireproofing and expenses in connection therewith—

PARRY SOUND 14,664.63

SUDBURY 5,087.92

THUNDER BAY 293.54

20,046.09

PROVINCIAL PARKS:

To complete construction of Community Hall at Rondeau Park 7,435.35

7,435.35

FISH HATCHERIES:

Construction and alterations to Fish Hatcheries 81,998.93

81,998.93

FORESTRY:

To provide for construction of works and buildings and expenses in connection therewith 14,272.32

14,272.32

PUBLIC WORKS:

Cutting and purchase of timber and construction materials 1,983.63

Docks 3,261.26

Municipal Drainage 13,573.22

Storage dams 13,093.06

Drainage Aid 2,142.68

Grants—

Grant by the Province of Ontario towards the cost of the Grand River Conservation Scheme on the basis of 37½% of actual cost 222,500.00

256,553.85

SPECIAL WARRANT:

Grant to Counties of Prescott and Russell for flood prevention on South Nation River 41,829.52

41,829.52

TOTAL CAPITAL EXPENDITURE \$2,610,380.33

SUMMARY:

ORDINARY EXPENDITURE

Main Office and Maintenance and Repairs of Government Buildings \$ 843,136.96

CAPITAL EXPENDITURE

Public Buildings 2,610,380.33

\$3,453,517.29

S. Wood,
Accountant.

Department of Public Works, Ontario.

TORONTO, February 25th, 1941.

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REPORT

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LIBRARY.

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1941

1940/41

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

Printed and Published by T. E. BOWMAN, Printer to the King's Most Excellent Majesty

1942

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REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1941

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 8 — 1942



ONTARIO

TORONTO

Printed and Published by T. E. BOWMAN, Printer to the King's Most Excellent Majesty
1942

To:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant, for the twelve months ending the 31st of March, 1941.

Respectfully submitted,

F. R. OLIVER,
Minister of Public Works.

Department of Public Works, Ontario,
Toronto, April 10, 1942.

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE FARQUHAR R. OLIVER, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

SIR:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Accountant, for the financial year, April 1, 1940 to March 31, 1941.

ARCHITECT'S BRANCH

To facilitate the war effort, all construction has been curtailed to absolutely necessary items and to such projects that were contributing to the various phases of the conduct of the war.

The Province has continued to assist the Dominion by providing accommodation for war purposes, leasing Provincial properties to the Dominion without rental, and being reimbursed only for out-of-pocket expenses in arranging for temporary quarters for displaced personnel.

The Provincial properties leased to the Dominion since the outbreak of the war are as follows:

Institution	No. of Buildings	Valuation	Use of Institution
Ontario Hospital, St. Thomas.	19	\$6,199,827	Technical Training Centre for R.C.A.F.
Normal School, Ottawa.	1	237,000	Office Accommodation
Ontario Hospital, Port Arthur.	1	125,000	Military Purposes
Industrial Farm, Monteith.	14	373,000	Internment Camp
Ontario Reformatory, Mimico.	21	700,000	Internment Camp
Ontario Hospital, London.	(52 acres land only)	22,500	Military Purposes
TOTAL	56	\$7,657,327	

The new Dairy School Building at the Agricultural School, Kemptville, has been completed and fully equipped at a cost of \$66,488.90.

At the Mercer Reformatory, King Street West, Toronto, some changes were carried out to provide fireproof exit stairs and corridors in the west end of the west wing and the cell locks were changed from individual locking to a gang locking system.

Additional work was done at the Fish Hatcheries at Hill's Lake, near Charlton, Skeleton Lake, Muskoka and Deer Lake, near Peterborough, consisting chiefly of grading and road work.

This Branch examined plans for the Department of Health and reported on proposed alterations or additions to twenty-five existing public and private hospital buildings and prepared plans and specifications for a number of Scale Houses and other buildings used by the Department of Highways. Co-operation was given to the Department of Labour in connection with alterations to rented premises for employment offices, and also alteration to several Province of Ontario Savings Offices.

ENGINEER'S BRANCH

The necessary repairs and maintenance of locks, dams and docks were carried out and a new storage dam was constructed on Tilden Lake in Nipissing District. Assistance was provided for municipal road drainage in the Districts of Muskoka, Victoria and Haliburton, Peterboro, North and South Renfrew. A grant was made to the Township of Pelee of \$2,298.96, in conformance with the Provincial Aid to Drainage Act.

The work of constructing the Shand Dam under the Grand River Conservation Commission was continued, the Province contributing \$254,216.11, based on 37½% of the cost of the works, the Dominion contributing a like amount and the balance being borne by the benefitting municipalities.

SECRETARY'S AND ACCOUNTANT'S BRANCH

Owing to the curtailment of new construction, there were few contracts awarded during the year. The revenue received totalled \$57,130.00, consisting chiefly of rentals and sales of materials not required for departmental use. Property sales amounted to \$4,888.70, which covered an adjustment on land expropriated for use by the Dionne Quintuplet Guardianship in the amount of \$4,513.70 and a piece of land at Bowmanville, approximately 8 acres, to Ernest Albert Craig, for \$1,500.00; the first instalment of \$375.00 being paid at time of sale. This land was previously used as a Summer Camp for the Training School for Boys, Bowmanville, and was not required for this purpose.

The expenditures are summarized, as follows:

Main Office.....	\$92,602.16	
Statutory.....	1,490.41	
		\$ 94,092.57
Maintenance and Repairs.....		542,404.01
Total Ordinary.....		\$636,496.58
CAPITAL		
Public Buildings and Public Works.....		\$324,230.42
Total Net Expenditures.....		\$960,727.00

I have the honour to be, Sir,

Your obedient servant,

R. A. McALLISTER,

Deputy Minister of Public Works.

TORONTO, March 10, 1942.

REPORT OF THE ARCHITECT

THE HONOURABLE FARQUHAR OLIVER,
Minister of Public Works.

Sir:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1940 to March 31st, 1941.

ONTARIO GOVERNMENT INSTITUTIONS LOANED
TO
DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year a total of three Province of Ontario Institutions all, or in part, as described later in the body of this report, and a portion of the lands of the Ontario Hospital, London, were turned over to the use of the Department of National Defence, for the duration of the present war. These Institutions are as follows:

Ontario Hospital, Port Arthur	(part)
Industrial Farm, Monteith	
Ontario Reformatory, Mimico	(part)
Ontario Hospital, London	(a portion of the lands only)

This group of Institutions and the land, as referred to at the Ontario Hospital, London, together with the other properties previously loaned for the same purpose, now totals six premises, all, or in part, of which have been loaned to the Department of National Defence for the duration of the present war.

The Department's work this year, as previously, in connection with the loan of these Institutions, has included the preparation of agreements, recording plans, reports on condition of buildings, surveys, records, stock-taking and preparation of inventory of furnishings and equipment loaned with the said building to the Department of National Defence.

Such work has also included the surveying, leasing and remodelling and fitment of temporary premises where such were required by the Province to carry on certain essential parts of the work of the Institutions affected.

The moving and storage of furniture in connection with the vacation of the above premises by the Province was also dealt with by this Department in co-operation with the other Departments having jurisdiction over the Institutions affected. Further reference to these Institutions is made under their subdivisions in the body of the report which follows.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

General minor repairs and replacements and minor changes were carried out in connection with all trades as required, but restricted to a reduced program of expenditure, having regard for present war conditions. A considerable amount of repairs were also made to furniture and furnishings for this group of buildings.

Apart from the said general minor items, certain work of a special nature was also carried out as enumerated in the following paragraphs:

Parliament Buildings:

A portion of the fifth floor was remodelled to provide a motion picture projection room on the basis of the modern requirements of the Province, to be used for the instruction of moving picture operators.

A stairway which was not used to any great extent, leading from the third to the fourth floors of the East Wing, was removed and a much needed women's lavatory installed in the said space on the fourth floor.

The men's lavatory on the second floor of the North Wing was remodelled to improve the sanitary conditions.

Gun racks were installed in the Provincial Police vault for their use.

East Block:

Two rooms in the Department of Health Laboratory section were remodelled to provide more working bench space. The outfit work, previously done in these rooms, was moved to No. 11, Queen's Park, which was fitted with the necessary equipment.

All the exterior vestibule doors were remodelled to swing out only, to prevent draughts and improve the heating conditions of the adjoining corridors.

Subsidiary Buildings:

General repairs of an urgent nature in all trade branches were carried out where required, in the following buildings:

No. 11 Queen's Park.

No. 15 Queen's Park.

No. 39 Queen's Park.

No. 112 College Street.

No. 454 University Avenue, Liquor Control Board Offices.

No. 807 Richmond Street West, Sewage Laboratory.

No. 70 Lombard Street.

Department of Highway's Garage, Leaside.

Department of Highway's Police Garage, Surrey Place.

In connection with the offices of the Liquor Control Board, a considerable amount of repairs were made to a large portion of the ceilings, including the installation of a new hung ceiling and the re-wiring of all the outlets in connection therewith. Extra lighting fixtures, as required, were installed in connection with this work.

The Employment Service Office building at 70 Lombard Street was leased to The Workmen's Compensation Board and their occupancy commenced as of November 1st, 1940. The covering lease for this occupancy is on file in this Department.

Osgoode Hall:

A restricted program of general repairs was carried out in all trade branches as required for this building. Furniture repairs were made. A new dictograph system and some new lighting fixtures were installed.

EDUCATIONAL BUILDINGS

Normal and Model Schools, Toronto:

Considerable repairs were made to roofs. Two rooms in the centre building were fitted up with sinks, stoves and other equipment for the teaching of Domestic Science. Minor repairs were made to stokers.

Normal and Model Schools, Ottawa:

As previously reported in last year's report, this building was loaned to the Dominion Department of Public Works, for the general use of the Dominion

on November 1st, 1939 and the Elgin Street School was leased and fitted up for the use of the said Normal School, as also stated in the previous report. Minor repairs and adjustments were made to the electric clock system of the Elgin Street temporary premises.

London, Normal School:

Minor repairs were carried out in connection with the existing plumbing and to the roofs. Minor repairs were made to boiler stokers.

Hamilton, Normal School:

Minor repairs were carried out, including adjustment to electric clock system. The tile walls of women's lavatory on the first floor, were repaired and replaced where defective. Minor repairs were made to the heating system and boiler brickwork repaired.

North Bay, Normal School:

Minor repairs were made to lavatory doors. General repairs and renovations were made to the heating system. Minor repairs were made to boilers and stokers.

Peterborough, Normal School:

Minor repairs were made to the plumbing system and adjustments made to electric clocks. The brickwork of the boilers at this School was renovated and defective tubes replaced.

Stratford, Normal School:

Minor repairs were made to plumbing, skylight and floors. Minor repairs were made to the heating system.

Ontario School for Deaf, Belleville:

A new roof was laid on the Girls' Dormitory Building. Repairs were made to water mains. Minor repairs were made to plaster work in the Main Building. Minor repairs were made to the plumbing in the Senior Girls' and Boys' Dormitory Buildings, and to the roofs of the main building and boys' dormitory building. Repairs were made to the steam boilers. Defective tubes were replaced and dead plates and stoker retort casting were replaced. The boiler feed pump was overhauled and repaired.

Ontario School for Blind, Brantford:

General repairs were made to plumbing, roofs and eavestroughs for Main Building and Girls' and Boys' Dormitory Buildings. Minor repairs were made to steam boiler stokers.

Ontario Training College for Technical Teachers, Hamilton:

A new roof was laid over the workshop section of the building. Minor repairs were made to plumbing. Repairs were made to vacuum pump and steam mains.

CONSULTATION WORK ON SCHOOLS

At the request of the Department of Education, the following consulting services were rendered:

Illustrations and typical plans were sent to the Sprucedale Public and Continuation School Board, Ottawa.

The following buildings were examined and reported upon:

Huntsville High School.

Township of Fenlon Falls, Public School Section No. 8.

Langstaff Public School Board, Markham and Vaughan Townships.

School Section No. 14, North York.

Plans were examined and reported on for Sarnia Collegiate and Technical School.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph:

Alterations were made to Massey Library to provide offices for Professor of English, including a new second entrance to the building on the south elevation.

General repairs were made to the roofs of Memorial Hall, Macdonald Institute, Macdonald Hall, Massey Library, Poultry Building, Maids' Dormitory, Administration Building and new shingle roofs were laid on five of the staff residences. Specifications were drawn for the interior painting of Macdonald Hall and the work carried out by the College Staff. The wiring in Macdonald Hall was entirely replaced in conduit.

Specifications were drawn and prices obtained and the work carried out for the entire re-roofing of the skating rink building.

The plumbing in showers and toilets of the Administration Building was renovated by the Department of Public Works staff mechanics.

The exterior face of basement walls of Chemistry Building and part of the exterior basement walls of Mills Hall were repaired and damp proofed.

Ontario Veterinary College, Guelph:

Repairs were made to the roofs of the Main Building and Veterinary Hospital barn.

Agricultural School, Kemptville:

Repairs were made to plaster work and to the marble partition work in lavatories of the Students' Residence. Minor repairs were made to roofs of the Main School Building.

The work of installing steam boilers and stokers in the Main Building, as mentioned in the previous fiscal year's report, was completed.

The work of completing and equipping the new Dairy School Building was carried out, including supply and installation of dairy machinery and laboratory benches and equipment, together with all the necessary piping. The cold storage rooms and machinery were completed and the necessary miscellaneous furniture and furnishings supplied and installed.

Sewer lines and manholes were installed for the new Dairy Building.

Heating trenches were installed with the necessary steam and other service lines from the heating plant in the Main Building to the Engineering Building, the new Dairy Building and to the Stock Judging Pavilion.

New roads were laid to connect the Main Building, Engineering Building and new Dairy Building.

Minimum repairs, including renewals of certain poles, were made to the electrical distribution system.

Western Experimental Station, Ridgetown:

New concrete foundation walls were built under the dining room portion of the Superintendent's residence.

Demonstration Farm, New Liskeard:

Minor repairs were made to buildings generally, including a new roof which was laid over the Milk House at the Farm.

Horticultural Experimental Station, Vineland Station:

Minor repairs were made to plumbing and water supply system, including installation of a chlorine strainer.

Considerable repairs were made to steam boiler stokers and to furnaces in the residences and one new hot air furnace was installed in the Stevenson cottage.

An existing 15 H.P. boiler, left over from the old canning factory, was set up by the staff for operation in connection with the establishment of a fruit juice laboratory in co-operation with the Dominion Department of Agriculture.

DISTRICT BUILDINGS

Due to present war conditions, the work done in connection with the district buildings was kept to a minimum and the only work items carried out were those of an urgent nature and as described in the following sub-divisions.

Algoma:

At the Court House, Sault Ste Marie, minor repairs were made, including new hinges and plates for the front door. Forty-two window blinds were purchased as replacements and two desk lamps were supplied.

The Registry Office at Sault Ste Marie is being used by the Red Cross, as stated in report of previous year.

At the Gaol, Sault Ste Marie, minor repairs were made generally, including the purchase of lumber and roofing paper for repairs to the storage shed. Paint was purchased for interior, the work to be done by prison labour. Sixteen prison locks were purchased as replacements and the casings were to be made at the Ontario Reformatory, Guelph. Vitreous clay pipe was purchased to provide additional surface drainage, the work of installation to be done by prison labour. Six window blinds were purchased as replacements in the Gaoler's residence.

Cochrane:

At the Court House, Cochrane, minor repairs were made, including repairs to locks.

At the Lock-up in Matheson, repairs were made to plumbing and paint was purchased to be applied by the Provincial Police.

Kenora:

At the Court House, Kenora, the basement was remodelled to provide office quarters for the Provincial Police, which consisted of three offices and a storage vault and the remodelling of the side entrance leading thereto. Minor improvements were also made to the Janitor's quarters in the basement and a kitchen was provided in connection therewith. The Crown Attorney's office was repainted. The return feed pump and motor was repaired. Three desk lamps were purchased and some minor repairs were made to hardware.

At the Gaol, Kenora, minor repairs were made to plumbing, prison locks and relief valve seat. Twelve new replacement beds were purchased for prisoners.

Plans only were prepared for a new Lock-up building for Red Lake, at the request of the Department of the Attorney General.

Manitoulin:

Minor repairs were made to the Court House and Gaol at Gore Bay, including the renewal of one basement window frame and making good the surrounding stonework. The septic tank was cleaned and repaired. Repairs were made to furnace, including grate renewals and new ash and furnace doors. Minor repairs were also made to piping and radiators.

Muskoka:

Minor repairs only were made at the Bracebridge Buildings, in view of the fact that the rebuilding of the Gaol and some remodelling work in the Court House was under serious consideration. Sketch plans were prepared for a proposed new Gaol Building addition to the present Court House, but the working drawings were not put in hand.

Working drawings were prepared for a proposed new addition to the Court House which was to provide additional lavatories and fire tower stair exit from the Court room. This project was laid out so that it would work in with the proposed plan for the new Gaol Building.

Nipissing:

General repairs were made to Court House, Registry Office and Gaol at North Bay.

The electric lighting of the Land Titles Office was improved by the installation of more efficient type of lighting fixtures. Minor repairs were made to boilers and boiler linings.

Parry Sound:

Minor progress repairs were made to the Court House, Registry Office and Gaol at Parry Sound. The locking devices in the cell blocks were improved.

Rainy River:

Minor repairs were made to the buildings in Fort Frances.

Sudbury:

General repairs and improvements were made to the Court House, Registry Office and Gaol at Sudbury.

A new glass partition and counter was installed in Provincial Police quarters and some new furniture purchased for these offices.

The lighting system was improved in the Court House by the installation of some modern type fixtures. Progress repairs were made to the plumbing system and door and hardware were replaced where required.

Temiskaming:

Minor repairs were made to the Court House, Registry Office and Gaol at Haileybury, including considerable plumbing repairs in Court House.

At the Government building at Elk Lake, the septic tank was re-conditioned and the sewer line to this tank re-laid.

Thunder Bay:

Minor repairs and improvements were carried out where required at the Court House, Gaol and Registry Office at Port Arthur. Paint was supplied for the Gaol, to be applied by the inmates.

Additional kitchen utensils and ten gaol beds were purchased.

Shelving was installed in the Sheriff's vault and some more efficient lighting fixtures were installed to improve the general illumination in a number of the offices in the Court House.

ONTARIO HOSPITALS

Ontario Hospital, Brockville:

The two large solaria connecting wards in the Main Building were re-roofed.

The general electrical distribution system was remodelled and new transformers installed to overcome the unbalanced loading condition, which had been the cause of considerable trouble from time to time in the past. Part of the work was done by the local Hydro Authorities and part by the Hospital staff mechanics.

Ontario Hospital, Brampton:

These premises are in charge of a resident caretaker and the farm is being operated by the Department of Health.

Ontario Hospital, Cobourg:

A new fire escape from the second floor was erected for the Nurses' residence.

The floor of the shower room on the ground floor of the patient's west pavilion was jacked up and repaired.

Eavestroughs and conductor repairs were made to the west pavilion.

Ontario Hospital, Fort William:

Arrangements were made for cleaning the well at this Hospital.

Ontario Hospital, Hamilton:

Roof repairs were made on East House, Orchard House, Superintendent's residence and Main Building, including gutters and slate replacements.

On August 28th, 1940, in the main farm group, the main cattle barn, the horse barn, the milk house, the isolation cow stable and a storage barn, together with the roofs of two silos, were for the most part, destroyed by fire. Minor damages resulted to adjoining buildings, such as implement shed, root and tool house. These buildings were not replaced this year, but doors and frames of silos were replaced. The implement shed was remodelled to provide root storage.

New entrance steps to stores basement in Orchard House were erected.

Ontario Hospital, Kingston:

A new fire escape was erected at the Patients' North Cottage. The interior of this cottage was renovated, this Department supplying the material and the work was done by the Hospital staff mechanics.

A new roof, including framing, was placed on the Sewage Filter House at the Mowat Wing.

Considerable repairs and renovations were made to the heating system of the Main Building, including installation of additional radiation for staircases.

Plans were made by this Department and the main entrance gateway was remodelled by the Hospital staff.

The existing root house at the main group was renovated, including a new roof, which was laid over the whole building.

Ontario Hospitals, Langstaff and Concord:

The continuation of the necessary work of fitting these premises for occupancy by mental patients in connection with the vacation of the Ontario Hospital, St. Thomas, for the R.C.A.F. purposes, was carried on. Part of the main roof of the nurses' residence, Concord, was re-shingled.

Ontario Hospital, London:

The elevated water tank was painted.

Considerable repairs and replacements were carried on in connection with roofs, gutters and down pipes.

The cattle barn was, for the most part, destroyed by fire on August 20th, 1940, and was not rebuilt.

A portion of the lands of this Hospital, adjoining the Canadian National Railway, was loaned to the Department of National Defence on July 15th, 1940. The said Department started immediately thereafter to erect their own temporary buildings.

Ontario Hospital, New Toronto:

Considerable plaster repairs were made to the ceiling of the Laundry Building. Minor repairs were made in connection with the keying of the locking system.

A new Air-Way drier was shipped from the Ontario Hospital, St. Thomas, and installed at this Hospital to take care of the additional patients moved from the Ontario Hospital, St. Thomas, due to the R.C.A.F. occupancy of the latter.

A new cement floor was laid in the basement of cottage No. 2, in the shower section.

Plans were made by this Department and a new brick entrance gateway was erected by Hospital staff.

Ontario Hospital, Orillia:

The main transformer burned out and was replaced.

The ice box of the main refrigerator was repaired and re-lined.

Plans were prepared for an extension to the Piggery building, the materials were supplied by this Department and the work was carried out by the Hospital staff.

Ontario Hospital, Penelag:

A new washer was shipped from the Ontario Hospital, St. Thomas, and installed by the hospital staff.

The roof of the kitchen wing was recoated. This Department supplied the material and the Hospital staff did the work.

Ontario Hospital, Port Arthur:

The new administration building and a portion of the lands of this Hospital were loaned to the Department of National Defence for Militia purposes, as previously noted. The date of their occupancy commenced as of August 15th, 1940.

Ontario Hospital, Toronto (999 Queen West):

Plans were prepared and the work started in connection with the installation of a Virus Laboratory and Dental Laboratory in one of the existing out-buildings, at the north west corner of the premises of this Hospital.

Minor repairs were made to foundations of cottage B.

Stairway in west wing of Main Building from second to third floors was removed to increase bed space.

Psychiatric Hospital, Toronto:

Minor repairs, as required, in the various trade branches, were carried out.

Ontario Hospital, Whitby:

A portion of the main barn was re-roofed. General progress repairs were made to the tile roofs.

The pole line for electric service to the main barn and transformer stand were renovated. This included electric distribution system to residences on the farm lane.

Ontario Hospital, Woodstock:

A considerable amount of alteration and fitment work was carried to completion to make provision for about 600 T.B. mental patients in the new Children's Unit, who were brought from various other mental hospitals to provide additional accommodation for patients moved out of the Ontario Hospital, St. Thomas, to accommodate R.C.A.F. occupancy. This work generally included the installation of an Electro Encephalograph examination unit, a dental unit, an X-ray unit, and a laboratory section in the basement of the Administration Building, previously built for the purposes of a Children's Unit.

Plans were made and materials supplied for the erection of one piggery wing, which was erected as an addition to the piggery cook house completed in the previous year by the Hospital staff to the north east of the new Children's Hospital Group.

Ontario Hospital, St. Thomas:

As mentioned in the report of the previous fiscal year, this Institution was loaned to the Department of National Defence for R.C.A.F. purposes, whose occupation commenced as of October 23, 1939.

The farm portion of these premises, however, was not taken over with the main group, as above described, and is being operated under the jurisdiction of this Department.

General minimum repairs and renovations were carried out in connection with the farm division and the necessary equipment installed.

The furniture, furnishings and equipment and laundry machinery purchased for the new hospital and not required last year by the R.C.A.F. at St. Thomas, or by other mental hospitals, was kept in Public Works locked-up stores on the premises and portions of these goods were issued on requisition during this year to both the R.C.A.F. at St. Thomas and to other mental hospitals, as their needs became more fully developed.

Plans and specifications were prepared for the installation of an additional steam boiler at the main power plant and the contract was let by the Department of National Defence, who were to pay for the installation.

EXAMINATION OF PLANS FOR DEPARTMENT OF HEALTH

In addition to the work previously enumerated in connection with the Ontario Hospitals, plans were examined and recommendations forwarded to the Department of Health in connection with proposed alterations or additions

to existing public and private hospital buildings and in connection with new hospital projects. The following were the projects dealt with:

Rest Home Bartonville.
 Nurses' Residence, St. Joseph's Hospital, Chatham.
 Laverandrye Hospital for Grey Nuns of St. Boniface, Fort Frances.
 General Hospital, Galt.
 Brookside Convalescent Hospital, Gormley.
 St. Pauls Hospital, Hearst.
 Nicholls Hospital, Haileybury.
 Royal Norwegian Government Hospital, Toronto.
 Queen Victoria Memorial Hospital, North Bay.
 McKenzie Red Lake Gold Mines Hospital, Mackenzie Island.
 Markdale Private Hospital.
 Victoria Hospital, London.
 Little Long Lac Hospital.
 Memorial Hospital, Listowel.
 General Hospital, Woodstock.
 Mayfair Nursing Home, Toronto.
 Riverdale Isolation Hospital, Toronto.
 Hillcrest Convalescent Hospital, Toronto.
 Hospital for Incurables, Dunn Avenue, Toronto.
 Hospital for Sick Children, Toronto.
 Clifton Nursing Home, Toronto.
 General Hospital, Port Hope.
 Protestant Children's Hospital, Ottawa.
 Perley Home for Incurables, Ottawa.
 General Hospital, Oshawa.

ONTARIO REFORMATORIES

Industrial Farm, Burwash:

Plans and details were prepared to provide for the installation of a new kitchen and prisoners' and staff dining room in the basement of the new hospital block; the work was done by the Institution staff and inmates. This accommodation was originally provided in the Reception Building, for which plans were also made to show the necessary changes required to adapt this space for general office accommodation.

Working drawings were prepared for a new cow barn and the erection was undertaken by Institution staff mechanics and inmates.

Drawings and details were prepared for the remodelling and the circulation and ventilation scheme for cold storage building for Seagram Camp at Long Lac, which is a branch of this Reformatory.

Ontario Reformatory, Guelph:

Working drawings and details were prepared for a new cow barn and the erection was undertaken by the Institution staff mechanics and inmates.

A new terrazzo floor was laid throughout the main prisoners' dining room.

Andrew Mercer, Reformatory, Toronto:

A survey and studies were made to show the layout of fireproof stairs, fire walls and fire doors and fireproof exit corridors which were considered to be

necessary to provide adequate and safe exit facilities from all floors and all sections of this Institution. The studies included the changing of the existing hospital section on the third floor of the west wing to the ground floor of the same wing.

Working drawings were prepared for a new fireproof exit stair and fireproof approach corridors to serve all floors of the west end of the west wing. Changes were made to various rooms on all floors and a new staff bed room was added in connection with these improvements. The work, for the most part, was carried out by day labour.

Working drawings and details were prepared for the changing of all cell doors from individual locking to gang locking operation. The mechanism for this locking system was fabricated at the Ontario Reformatory, Guelph, and the installation was carried out jointly by this Department and the Department of the Provincial Secretary.

The plastering of the walls and wood trim on cell fronts was removed and all such plaster renewed, including new plaster jambs for all cell doors. All expenses in connection with this work were borne by this Department.

Working drawings were prepared for the installation of three new lavatories for the inmates and four new bath rooms for the staff. The work was carried out jointly between this Department and the Department of the Provincial Secretary; the latter Department furnishing the material.

Orders were placed for some new kitchen equipment, including steam jacketted kettles and roasters, refrigerator, kitchen cabinets, meat slicer and bread slicer in connection with the remodelling work of the main kitchen, to be carried out during the next fiscal year.

Ontario Reformatory, Mimico:

As previously listed at the commencement of this report, this Institution was loaned to the Department of National Defence and their occupancy of the premises commenced as of July 1st, 1940. The agreement regarding military occupancy of these premises was drawn, originally, to include the farm lands and buildings, but this inclusion was not finally decided upon during this fiscal year.

Industrial Farm, Monteith:

As previously listed at the commencement of this report, this Institution was loaned to the Department of National Defence and their occupancy of these premises commenced as of July 6th, 1940.

ONTARIO TRAINING SCHOOLS

Boys' Training School, Bowmanville:

Repairs were made to the roofs of the Triple Dormitory Building, Gymnasium, Jury Lodge and the School Building.

Girls' Training School, Galt:

General repairs were made to plumbing in the dormitory buildings.

FISH HATCHERIES

Hills Lake Fish Hatchery (Temiskaming District):

Additional work was done this year by day labour in connection with this Hatchery, which included the following items: The earth banks around the ponds and along the supply flume were regraded to stop erosion by heavy rains.

A system of intercepting ditches was dug around the said ponds and flume to prevent surface water from flowing into any of the Hatchery waters. The banks of the ponds were surfaced with gravel.

The finished grading was done around the Superintendent's residence and a water ram was installed in connection with the domestic water service.

Skeleton Lake Hatchery (Muskoka District)

Material was purchased for the building of a small foot bridge over the creek and the work was carried out by the staff at the Hatchery.

A quantity of brass screen cloth was purchased to replace original screens which had been damaged, the work being done by the staff.

Sandfield Hatchery (Manitoulin District):

Improvements were made to the roads to the ponds on the Hatchery premises. The work was done by the Department of Highways and was paid for by this Department.

Deer Lake Hatchery (Peterborough District):

A right-of-way was purchased and a new road was completed to this Hatchery by the Department of Highways and the cost paid by the Department of Public Works.

ONTARIO HIGHWAYS BUILDINGS

Plans and specifications were prepared and architectural supervision was given for the following work, for which the Department of Highways let the contracts:

- | | |
|--------------------|-----------------------------------|
| Scale House No. 1. | West Hill, Highway No. 2. |
| " " " 2. | West Hill, Highway No. 2. |
| " " " | Browns Line, Queen Elizabeth Way. |
| " " " | Dixie, Queen Elizabeth Way. |
| " " " | Long Branch, Highway No. 2. |

Garage and store house, Port Hope.

Sketches and working drawings were prepared for future work for the following:

Two storey garage and paint shop, Ottawa.

One storey garage and paint shop, Ottawa.

Preliminary sketch plans and perspective sketches were also prepared for six different types of typical scale houses, and for proposed waiting room to be erected at the junction of Queen Elizabeth Way and No. 2 Highway at the Humber River.

Heating Plans. Heating systems were laid out at the request of the Department of Highways for Highways Buildings at Parry Sound and Sudbury.

BOILER INSPECTION

Excluding the existing plants which have been loaned to the Department of National Defence for the purposes of the present war, routine reports were made in connection with the various other plants of the Ontario Government buildings inspected and recommendations were made and repairs and improvements carried out as required.

PROVINCE OF ONTARIO SAVINGS OFFICES

Hamilton Branch, King Street East:

Plans and specifications were prepared and contracts let and the work completed, enlarging the interior of the existing premises. A portion of the adjoining building was leased and used to gain the extra space required.

Savings Offices (generally):

New protective grilles were installed at the front of teller's cages at Savings Office Branches at:

University and Dundas Streets, Toronto.

Bay and Adelaide Streets, Toronto.

Ottawa.

London.

Niagara Falls.

Windsor

Co-operation was given to the head office management in the matter of general routine maintenance and repair work at the branches, where such work was requested.

Renewals of expiring leases in connection with branch offices were negotiated and arranged as required.

MISCELLANEOUS

Ontario Government Building, Kingston:

Roof repairs over boiler house were made to this building, following a small fire. General repairs were made in all trades, as required.

Employment Branch Offices (Temporary Quarters):

At the request of the Department of Labour, working plans and specifications were prepared and architectural supervision given in connection with the alterations required to prepare the following rented premises for use as employment offices:

Employment Branch Offices No. 1387 Yonge Street, Toronto.

1854 Danforth Avenue, Toronto.

364 Broadview Avenue, Toronto.

328 Adelaide Street West, Toronto.

2969 Dundas Street West, Toronto.

London, Ontario.

This work was done in co-operation with the Department of Labour, who made the necessary selection of property and rental arrangements and paid for the alterations and furnishings.

Temporary Housing for Evacuated British Children:

At the Independent Order of Oddfellows Building on Davenport Road, Toronto, considerable minor repairs were made in all trade branches to these buildings for the Department of Welfare to provide proposed accommodation for children who were to be evacuated from Great Britain.

A survey was made for the Department of Welfare of the various residential buildings of the University of Toronto to determine the temporary housing accommodation which would be available for evacuated British Children. A

block plan was made to show the scheme of temporary occupancy proposed. A residence building at 64 St. George Street was fitted up and furnished as an infirmary for these children, in co-operation with the Department of Health.

Additional furniture to that supplied by the University, was loaned by the Ontario School for Deaf, at Belleville and by the Ontario Mental Hospitals to provide for the general temporary housing of these children in the said residential buildings of the University of Toronto.

Re Staff Members of Architect's Branch:

Mr. John Sharp, the Heating Engineer for this Department was transferred to the Department of Labour on March 1st, 1941.

Mr. S. K. Sinclair, Assistant Architect, enlisted with the R.C.A.F. during the last fiscal year and was granted leave of absence from the Department in February, 1940.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Chief Architect.

Toronto, March 31st, 1941.

REPORT OF THE ENGINEER

Memorandum to—

THE HONOURABLE FARQUHAR R. OLIVER, M.P.P.,
Minister of Public Works and Welfare,
Parliament Buildings.

January 28th, 1942.

Sir,—

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year, April 1, 1940, to March 31, 1941.

As usual, all the work was done by day labour under local foremen, employing local workmen and using local material wherever possible.

The maintenance of locks, dams, docks and navigable channels was carried out as usual and one new timber storage dam was built at Tilden Lake.

Maintenance work was as follows:

Port Carling Locks:

The dock on the north side of the locks was renewed in timber and a 3 inch plank deck put on. The gates of the lock were repaired and put in good working order.

Deer Lake Dam:

A new 2 inch plank deck was put on this dam and some new stop logs provided in place of the worn out ones.

Dollars Dams:

The decks of both dams were replanked with 2 inch plank and several leaks in the west channel dam were stopped by sheeting and filling with gravel. The winches were put in good working order.

Ahmic Lake Dam:

A new 2 inch plank deck was put on this dam and some new stop logs provided.

Tasso Lake Dam:

This dam was partly washed away by the spring floods. The washed out part was replaced in timber and well gravelled to prevent leakage.

Crane Lake Dam:

This is a concrete dam and some of the concrete had crumbled so that the dam was leaking in several places. All defective concrete was removed and new concrete put in to make the dam tight.

Moose Lake Dam:

This is a stone dam and the piers on each side of the sluiceway had moved in at the top so that it was difficult to get the stop logs in or out. The piers were faced with concrete so that the sluiceway is now the same width at the top as at the bottom.

Weslemkoon Lake Dam:

The piers of the old timber dam were removed and about one foot taken off the top of the wings of the new dam to give more waterway during floods and to prevent flooding of land.

Navigation:

All buoys on the Muskoka Lakes and Magnetawan waters taken out by the spring floods were replaced and the boat channels kept clear of all obstructions for navigation.

STORAGE DAMS

Tilden Lake Dam:

Tilden Lake is in Nipissing District about 25 miles north of North Bay. The dam at the outlet of the Lake raises the water level of this Lake and several other lakes above it so that navigation is made possible between the several lakes, making an excellent tourist resort.

The old dam was taken away by the spring floods and the lake levels dropped so that navigation between the lakes was rendered impossible.

A new timber dam was built just above the old one. It is 100 feet long and 8 feet high. It is provided with a 10 foot sluiceway with stop logs to control the level of the lake.

MUNICIPAL DRAINAGE

An appropriation of \$500.00 was made to each of the following districts for municipal road drainage—Muskoka, Victoria and Haliburton, Peterboró, North Renfrew and South Renfrew.

PROVINCIAL AID TO DRAINAGE

Big Marsh Drain, Pelee Island:

This drainage scheme takes in most of the land on Pelee Island and is a pumping scheme. Three pumping plants, one on the north, one on the west, and one on the east shore, pump the water from the drains which run through the low-lying land and discharge it into Lake Erie. The old steam driven plants had been in use many years and were out of date and inefficient.

In 1939, the west plant was burned and the steam boiler and engine damaged beyond repair. A new 90 horse power gasoline engine was installed here to drive the old pump. Some repairs were made to the pump and a new metal clad building on a concrete foundation was put up.

The steam boiler at the north plant had been condemned as unsafe so it was decided to replace the steam plant with diesel engines. As there are two pumps at this plant, it required two engines of 80 horse power each. They drive the pumps through belts; some repairs were made to the pumps.

The steam plant on the east shore was left in place as it is very seldom used, only in an emergency or a very heavy flood.

The cost of the engines and repairs to these two plants was \$13,594.84. From this cost was deducted \$2,100.00, received by the Township for fire insurance on the west plant, leaving \$11,494.84 on which the 20% grant was made. These plants were examined and found to be in first class working order and on report, a grant of \$2,298.96 was paid to the Treasurer of the Township of Pelee.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER,
Engineer of Public Works.

Department of Public Works, Ontario.

Toronto, April 9th, 1942.

THE HONOURABLE FARQUHAR R. OLIVER,
Minister of Public Works.

Sir,—

I have the honour to submit the following statement showing the several contracts entered into with His Majesty during the twelve months ending March 31st, 1941, in connection with the Public Buildings and Works, subject to the control of the Public Works Department of Ontario.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Secretary and Accountant.

STATEMENT No. 23

Showing the several contracts entered into with His Majesty during the twelve months ending March 31st, 1941, in connection with the Public Buildings and Works, subject to the control of the Department of Public Works, Ontario.

DATE	LOCATION OF WORK	SUBJECT OF CONTRACT	CONTRACTORS	AMOUNT
1940 Aug. 15	Port Hope.....	Construction of Garage and Stores Building for the Department of Highways.....	M. Sullivan & Son Company, Limited, Arnprior, Ont.....	\$10,967.00
Nov. 15	East Block, Parliament Buildings...	Cleaning of windows.....	Advance Window Cleaning Company, Toronto.....	190.00 each cleaning
1941 Mar. 6	Province of Ontario Savings Office, 20 King St. E., Hamilton.....	Alterations to Savings Office.....	Kennedy Connor & Son, 29 Lamoreaux St., Hamilton.....	4,368.00

S. WOOD,

Secretary and Accountant.

STATEMENTS
of the
ACCOUNTANT
of
Public Works Department
1940-1941

Department of Public Works, Ontario,
TORONTO, February 26th, 1942.

THE HONOURABLE FARQUHAR R. OLIVER,
Minister of Public Works and Public Welfare.

Sir,—

I have the honour to submit detailed statements of ordinary expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also capital expenditure on Provincial Public Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1941.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Accountant.

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1st, 1940 to MARCH 31st, 1941

Service	Ordinary	Capital	TOTAL
Main Office—Administration expenses, etc.....	\$ 92,602.16		\$ 92,602.16
Maintenance and repairs Government buildings.....	527,926.35		527,926.35
Public Works—Maintenance.....	13,915.56		13,915.56
Public Buildings.....		\$ 62,369.18	62,369.18
Public Works.....		259,562.28	259,562.28
Statutory.....	1,490.41	2,298.96	3,789.37
Special Warrants.....	562.10		562.10
TOTAL NET EXPENDITURE.....	\$636,496.58	\$324,230.42	\$960,727.00

STATEMENT OF REVENUE

MAIN OFFICE:	Ordinary	Capital	TOTAL
Commissions on telegraphs and telephones.....	\$ 2,570.69		\$ 2,570.69
Sale of material.....	12,982.81	\$ 93.00	13,075.81
Rentals—			
General.....	\$ 29,225.69		
Parking area.....	978.00		
Sale of property.....	30,203.69		30,203.69
Perquisites.....	1,995.50	4,888.70	4,888.70
Building equipment.....	163.45		1,995.50
Miscellaneous.....	35.16		163.45
Refund fire insurance premiums Normal School, Ottawa.....	1,422.00		35.16
Refund rental Elgin Street Public School, Ottawa, months of Nov. and Dec. 1939 (Normal School, Ottawa).....	700.00		1,422.00
Refund adjustment salaries—Staff Ontario Hospital, St. Thomas, Nov. and Dec. 1939 and Jan., Feb. and March, 1940.....	2,075.00		700.00
TOTAL NET REVENUE.....	\$ 52,148.30	\$ 4,981.70	\$ 57,130.00

S. WOOD,

Accountant.

TORONTO, February 26th, 1942.

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st, 1941

ORDINARY

MAIN OFFICE:	Service	Amount	Amount
Salaries—Minister's salary.....		\$ 1,490.41	
Permanent.....		58,715.74	
Temporary.....		1,994.35	
Travelling expenses.....		772.95	
Maintenance.....		3,190.00	
Insurance and lightning rods.....		24,000.00	
Local Improvement Taxes.....		352.21	
Unforeseen and unprovided.....		205.60	
Compensation, medical, hospital and other accounts for workmen injured in Government work as awarded by the Workmen's Compensation Board, including proportion of administration expenses		3,371.31	
			\$ 94,092.57

GENERAL SUPERINTENDENCE:

Salaries—Permanent.....	\$ 10,575.08	
Temporary.....	2,700.00	
Services, travelling and other expenses.....	4,722.97	
		\$ 17,998.05

LIEUTENANT-GOVERNOR'S APARTMENT:

Salaries.....	3,600.00	
Maintenance.....	978.41	
		4,578.41

LEGISLATIVE AND DEPARTMENTAL BUILDINGS:

Administrative Services—		
Salaries—Permanent.....	16,587.50	
Temporary.....	6,964.17	
Telephone service.....	36,664.55	
Typewriter inspection and repairs for all Departments.....	3,196.70	
Maintenance Staff—		
Salaries—Permanent.....	73,517.63	
Temporary.....	127,088.10	
Maintenance—		
Fuel, light, gas, water and power.....	57,889.96	
Cleaning supplies, upkeep of grounds and casual help.....	23,309.89	
Furniture, furnishings and equipment for buildings.....	4,207.70	
Mechanical Staff—		
Salaries—Permanent.....	7,398.06	
Repairs and alterations.....	50,111.14	
	406,935.40	
<i>Deduct Rentals.....</i>	<i>9,300.00</i>	<i>397,635.40</i>

OSGOODE HALL:

Salaries—Permanent.....	9,400.00	
Temporary.....	10,088.15	
Maintenance—		
Fuel, light, water and power.....	4,707.79	
Furniture, furnishings and equipment.....	545.90	
Telephone service.....	2,714.64	
Cleaning of buildings and incidentals.....	1,216.22	
General repairs and alterations.....	3,172.45	
		31,845.15

EDUCATIONAL BUILDINGS:

Repairs and incidentals—		
TORONTO NORMAL and MODEL SCHOOL.....	927.76	
OTTAWA NORMAL and MODEL SCHOOL.....	22.25	
LONDON NORMAL SCHOOL.....	89.87	
HAMILTON NORMAL SCHOOL.....	152.64	
PETERBOROUGH NORMAL SCHOOL.....	62.25	
STRATFORD NORMAL SCHOOL.....	159.08	
NORTH BAY NORMAL SCHOOL.....	35.28	
BELLEVILLE SCHOOL for the DEAF.....	1,925.80	
BRANTFORD SCHOOL for the BLIND.....	341.20	
ONTARIO TRAINING SCHOOL for TECHNICAL TEACHERS, HAMILTON.....	487.10	
GENERAL—To provide for repairs, installation of boilers and heating plants in buildings and fire protection.....	2,559.47	
To provide for expenses in connection with leasing of the Normal School, Ottawa, to the Dominion Government.....	148.69	
		6,911.39

AGRICULTURAL BUILDINGS:

Repairs and incidentals—		
ONTARIO AGRICULTURAL COLLEGE, GUELPH.....	3,785.32	
HORTICULTURAL EXPERIMENTAL STATION, VINELAND.....	207.79	
WESTERN ONTARIO EXPERIMENTAL FARM, RIDGETOWN.....	162.85	
AGRICULTURAL SCHOOL, KEMPTVILLE.....	624.13	
DEMONSTRATION FARM, NEW LISKEARD.....	98.20	
GENERAL—To provide for repairs, installation of boilers and heating plants in Agricultural Buildings and fire protection.....	2,581.92	
		7,460.21

TRAINING SCHOOLS:

Repairs and incidentals—

ONTARIO TRAINING SCHOOL FOR BOYS,

BOWMANVILLE..... \$ 428.14

ONTARIO TRAINING SCHOOL FOR GIRLS, GALT..... 150.38

\$ 578.52

DISTRICT BUILDINGS:

Repairs and alterations, furniture and furnishings and improvements to grounds for all District buildings—

ALGOMA..... 782.97

COCHRANE..... 343.33

KENORA..... 2,043.82

MANITOULIN..... 62.47

MUSKOKA..... 72.19

NIPISSING..... 374.60

PARRY SOUND..... 394.09

RAINY RIVER..... 103.65

SUDBURY..... 1,427.32

TEMISKAMING..... 769.79

THUNDER BAY..... 1,333.52

GENERAL—To provide for repairs, installation of boilers and heating plants in Districts and fire protection..... 539.70

Salary of Caretaker, Temiskaming..... 763.75

Government Building, Matheson,—Maintenance..... 595.90

9,607.10

ONTARIO HOSPITALS:

Repairs and incidentals—

BROCKVILLE..... 3,680.15

COBOURG..... 657.48

HAMILTON..... 929.32

KINGSTON..... 1,711.87

LONDON..... 974.32

NEW TORONTO..... 916.41

ORILLIA..... 136.99

PENETANGUISHENE..... 305.00

TORONTO..... 3,639.96

PSYCHIATRIC-TORONTO..... 158.68

WHITBY..... 11,103.59

WOODSTOCK..... 698.30

FORT WILLIAM..... 21.00

CONCORD..... 125.50

LANGSTAFF..... 79.57

CONTINGENCIES..... 604.94

25,743.08

ST. THOMAS:

To provide for expenses in connection with the leasing of Hospital to Dominion Government..... 540.83

Farm operating expenses—

Salaries..... \$ 3,293.77

Expenses..... 17,969.66

21,263.43

PUBLIC WORKS:

Maintenance—

Salaries—(Lockmasters, Supervising Foreman, etc.)..... 5,113.97

Repairs to locks, dams, etc..... 7,480.54

Equipment..... 607.18

Maintenance of Hawkesbury-Grenville Bridge..... 713.87

13,915.56

ONTARIO GOVERNMENT OFFICE BUILDING, KINGSTON:

Maintenance—

Salary of Caretaker..... 1,299.96

Cleaning supplies, fuel, electricity, water, repairs and incidentals.. 2,464.82

3,764.78

SPECIAL WARRANT:

Expenses re transfer of patients from Ontario Hospital, St. Thomas

562.10

TOTAL ORDINARY EXPENDITURE.....

\$636,496.58

CAPITAL

AGRICULTURAL BUILDINGS:

New Dairy School building, Kemptville.....	\$ 25,943.18
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ONTARIO REFORMATORIES:

Additions, alterations and equipment.....	22,001.25
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DISTRICT BUILDINGS:

To provide for construction of works and buildings, alterations and fire-proofing and expenses in connection therewith.....	799.97
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FISH HATCHERIES:

Construction and alterations to Fish Hatcheries.....	13,624.78
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PUBLIC WORKS:

Municipal Drainage.....	\$ 2,430.37	
Storage Dams and Docks.....	2,915.80	
Grants—Grant by the Province of Ontario towards the cost of the Grand River Conservation Scheme on the basis of 37½% of actual cost.....	254,216.11	
	<u>259,562.28</u>	

STATUTORY:

Drainage Aid.....	2,298.96
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TOTAL CAPITAL EXPENDITURE.....	<u>\$324,230.42</u>
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SUMMARY

ORDINARY EXPENDITURE

Main Office and Maintenance and Repairs of Government Buildings and Public Works.....	\$636,496.58
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CAPITAL EXPENDITURE

Public Buildings and Public Works.....	324,230.42
	<u>\$960,727.00</u>

S. WOOD,
Accountant.

Department of Public Works, Ontario.

TORONTO, February 26th, 1942.



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Government
Publication

REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1942

1941/42

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

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1943

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REPORT
OF THE
Minister of Public Works
FOR THE
PROVINCE OF ONTARIO
FOR THE
TWELVE MONTHS ENDING MARCH 31st, 1942

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 8 — 1943



TORONTO

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1943

To:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant, for the twelve months ending the 31st of March, 1942.

Respectfully submitted,

T. B. McQUESTEN,
Minister of Public Works.

Department of Public Works, Ontario,
Toronto, March 31, 1943.

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE T. B. McQUESTEN, K.C., B.A., LL.B., M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

SIR:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Accountant, for the financial year April 1, 1941 to March 31, 1942. These reports show that all activities of the Department have been subservient to the war effort.

ARCHITECT'S BRANCH

The Province has continued to make available to the Dominion any Institutions or buildings they may require for war purposes. The institutions, number of buildings and their estimated value leased to the Dominion since the commencement of the war are as follows:

Institution	No. of Buildings	Valuation	Use of Institution
Ontario Hospital, St. Thomas	19	\$ 6,199,827	R.C.A.F. Training Centre.
Ontario Hospital, Port Arthur	1	125,000	Military.
Industrial Farm, Monteith...	14	373,000	Internment Camp.
Ontario Reformatory, Mimico	21	700,000	Internment Camp.
Agricultural College, Guelph	19	2,723,126	R.C.A.F.
Normal School, Ottawa.....	1	237,000	Office Accommodation.
Ontario Hospital, London (52 acres).....	land only	22,500	Military.
Ontario School for Deaf, Belleville.....	16	1,322,282	R.C.A.F.
Normal and Model School, Toronto.....	5	1,554,545	R.C.A.F.
Boys' Training School, Bowmanville.....	36	830,000	Internment Camp for Enemy Officers.
Ontario Hospital, Brampton..	1	274,803	Military.
TOTAL.....	133	\$14,362,083	

At the request of the Dominion Department of Agriculture the Provincial Department undertook a campaign to eradicate Bangs disease which was seriously affecting cattle. To facilitate this campaign a new laboratory building was necessary and construction was commenced on a Bangs disease testing laboratory at the Ontario Veterinary College, Guelph. Considerable progress

has been made and the building will be ready for occupancy early in the new financial year.

To provide additional acreage at the Demonstration Farm, New Liskeard, the Department of Agriculture purchased adjacent land known as the Getty Farm, consisting of approximately six acres. The deed is on file in this department.

At the Ontario Hospital, Fort William, the old beef cattle barn was struck by lightning and completely destroyed by fire. There was no loss of stock and the building was of cheap frame construction.

This Branch co-operated with other departments of the Government in connection with construction problems arising out of acts under their administration or their regular activities. These are summarized as follows:

Department of Health—Examined plans for new projects, alterations and additions to public and private hospitals in accordance with Government regulations and statutory provisions.

Department of Highways—Prepared plans and specifications for buildings required for highway maintenance purposes.

Province of Ontario Savings Offices—Examined premises, carried out alterations and additions and prepared leases as required.

In addition to the above, assistance was given in connection with Air Raid Precaution work. Plans and specifications were also prepared for a new residence for Mr. Oliva Dionne and family in connection with the Dionne Quintuplet Guardianship.

ENGINEER'S BRANCH

Considerable repair work is necessary every year to maintain the locks and dams in condition to control the lake levels throughout the Northern Districts. This work is carried out locally by day labour.

The following grants were made in accordance with the Provincial Aid to Drainage Act:

Township of Alma—Grant of \$1,968.48 towards cost of Boyle drain and South Maitland River Improvement. The sum of \$1,889.72 being paid during this fiscal year and the balance carried into next year.

Township of Chatham—Grant of \$2,622.34 being 20% of the cost of the Townline Pumping works.

The Grand River Conservation Commission have continued work on the Shand Dam and the Province contributed this year the sum of \$158,276.55, being 37½% of the cost of the works. The total contributions by the Province at the close of this fiscal year were \$644,992.66.

SECRETARY'S AND ACCOUNTANT'S BRANCH

In keeping with the policy of curtailing new construction to avoid a demand for materials required for construction of war plants, few contracts were entered into during this year.

The revenue received totalled \$104,375.36, consisting chiefly of rentals, compensation received from the Dominion Government in regard to the costs of providing temporary quarters for displaced personnel from the O.A.C. Guelph in accordance with agreement, and for the sale of the following properties not required for Government purposes.

Bon Air, Kingston Road, Toronto (formerly Hostel Soldiers' Aid Commission)	\$ 3,500.00
Part of Lot Q School for the Blind, Brantford.	325.00

The expenditures are summarized as follows:

Main Office.	87,720.92
Maintenance and repairs—Government Buildings. . .	633,982.66

Total Ordinary.	<u>\$721,703.58</u>
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CAPITAL

Public Buildings and Public Works.	<u>\$225,204.39</u>
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Total Net Expenditure.	<u>\$946,907.97</u>
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I have the honour to be, Sir,

Your obedient servant,

R. A. McALLISTER,

Deputy Minister of Public Works.

TORONTO, March 31, 1943.

REPORT OF THE ARCHITECT

THE HONOURABLE T. B. MCQUESTEN, K.C., B.A., LL.B., M.P.P.,
Minister of Public Works.

SIR:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year, April 1st, 1941 to March 31st, 1942, as follows:

ONTARIO GOVERNMENT INSTITUTIONS LOANED
 TO
 THE DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year, in addition to the Training College for Technical Teachers, Hamilton, being used to give refresher course training to men for the R.C.A.F., five Province of Ontario Institutions were turned over, all, or in part, as described later in the body of this report, to the use of the Department of National Defence for the duration of the present war. These were as follows:

Ontario Agricultural College, Guelph	(part)
Ontario School for Deaf, Belleville	(part)
Normal and Model Schools, Toronto	
Boys' Training School, Bowmanville	
Ontario Hospital, Brampton	(part)

This group of buildings, together with the other six properties previously loaned for the same purpose, now totals eleven institutions, all, or in part, of which have been loaned to the Department of National Defence for the duration of the present war.

The Department's work this year, as previously, in connection with the loan of these institutions, has included the preparation of agreements, recording plans, reports on condition of buildings, surveys, records, stock-taking and preparation of inventories of furnishings and equipment loaned with the said buildings to the Department of National Defence. Such work has also included the surveying, leasing, remodelling and fitment of temporary premises, where such were required by the Province to carry on certain essential parts of the work of the institutions affected. The moving and storage of furniture in connection with the vacation of these premises generally by the Province was also dealt with by this Department, in co-operation with the other departments having jurisdiction over these institutions. Further reference to these institutions is made under their particular sub-divisions in the body of the report which follows.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

General minor repairs and replacements and minor changes were carried out in connection with all trades, as required, but restricted to a reduced program of expenditure having regard to present war conditions. A considerable amount of repairs were also made to furniture and furnishings for this group of buildings.

Apart from the said general minor items, certain work of a special nature was also carried out as enumerated in the following paragraphs:

Parliament Buildings:

Alterations were made to the offices of the Attorney-General to provide a retiring room.

A sick room was provided for the members of the Civil Service on the third floor of the north east wing in a space formerly occupied by a stair to the fourth floor, which was removed, as reported in the previous year's report.

East Block:

New offices were built for the Publicity Bureau in the space previously used as an Exhibit Hall on the ground floor at the main entrance. This accommodation provided a general office of approximately 30' x 16' and four other offices of approximately 15' x 16'. Fin heaters were taken from the tunnel and were installed in the front hall to provide the additional heat required.

A temporary room for first aid work was installed for A.R.P. purposes, in the basement shipping room.

A room in the basement of the west end, south section, was fitted up for X-ray work for the Tubercular Division of the Department of Health.

The incinerator in the boiler room section of the basement was remodelled to improve the operation of this unit.

Subsidiary Buildings:

General repairs of an urgent nature in all trade branches were carried out where required, in the following buildings:

No. 11 Queen's Park.

No. 15 Queen's Park.

No. 39 Queen's Park.

No. 112 College Street.

No. 454 University Avenue, Liquor Control Board.

No. 807 Richmond Street West, Sewage Laboratory.

Dept. Highway's Garage, Leaside.

Dept. of Highways and Police Garage, Surrey Place. (A new roof was laid over the existing main part of this garage, in addition to the said general repairs.)

Osgoode Hall:

A restricted program of general repairs was carried out in all trade branches as required, including the placing of a new roof over one section. Progress repairs to furniture and furnishings were made.

EDUCATIONAL BUILDINGS

Normal and Model Schools, Toronto:

Considerable repairs were made to the roofs. Repairs were made to the school's system of water mains, including the replacement of a section of pipe which had burst. The top section of the main boiler house chimney was repaired.

These premises, as listed in the first part of this report, were loaned by the Province to the Department of National Defence, for R.C.A.F. purposes and their occupancy commenced as of July 10th, 1941.

Temporary premises for this School, known as the Earl Kitchener School, Pape Avenue, Toronto, were leased from the Toronto Board of Education and the necessary alterations were made to adapt these latter premises to the requirements of the said Normal School.

Considerable repairs were made to the stoker under number 2 boiler. New retort and tuyere blocks and dead plates were supplied and installed.

Normal and Model Schools, Ottawa:

As stated in the previous year's report, these premises were loaned to the Dominion Government and the Normal School classes are now accommodated in the Elgin Street Public School, Ottawa. Small changes were made to the lighting system for stairways at the said Elgin Street School.

London Normal School:

Minor repairs were made to main entrance doors and a new smoke breeching was installed for the heating system. The return main connection to the H.R.T. standby boiler was built up where defective and the return main reconnected. Ends of tubes were re-rolled.

Hamilton Normal School:

A new flag pole was erected. Minor repairs were made to floors and to motor on ventilating system. Repairs were made to the brick setting of boilers.

North Bay Normal School:

A new drinking fountain was installed as a replacement. The brick walls around the boilers were repaired and partly rebuilt.

Peterborough Normal School:

Minor repairs were made to the plumbing system.

Stratford Normal School:

Minor repairs were made to the plumbing system and to the heating system, including brickwork and piping at boilers and new tubes were installed.

Ontario School for Deaf, Belleville:

A new roof was laid over the boys' dormitory building. Part of the barn was re-shingled and minor repairs were made to the interior plaster work of the main building.

These premises, omitting the farm division and one workshop building and Bursar's residence were loaned to the Department of National Defence, for R.C.A.F. purposes, as listed in the first part of this report. The R.C.A.F. occupancy commenced as of July 10th, 1941.

To enable the classes of the School to be carried on and to provide the necessary living quarters, the following Belleville premises were surveyed, leased and alterations made thereto, to suit the temporary requirements of the said School:

Battery Building, St. Thomas Anglican Church Rectory, St. Thomas Anglican Church Parish Hall, Rankin House, Clare House, Lazier House, Mouck House, Bridge Street United Church Basement (3 class rooms), Conner House.

After the R.C.A.F. occupancy of the original school buildings, the defective fire hose was replaced by this Department.

Sketch plans were prepared for a proposed four room temporary type school addition, to be erected at the rear of the leased Parish Hall temporary premises.

Ontario School for Blind, Brantford:

A new roof was laid over the servants' quarters of the kitchen wing in the Main Building.

General repairs were made to eavetroughs, including new trough for the whole of the gymnasium.

Repairs were made to slate roofs in girls' and boys' dormitory buildings.

Extensive repairs were made to the brick settings of the main steam boilers. General repairs were made to the steam boilers, piping and stokers.

Ontario Training College for Technical Teachers, Hamilton:

Minor repairs were made to the vacuum pumps and to the plumbing system.

This College is being used to give refresher course training to men for the R.C.A.F. as from June 1st, 1941.

CONSULTATION WORK ON SCHOOLS

At the request of the Department of Education, the following consulting services were rendered:

Buildings were examined and reported upon for—S.S. No. 12 Vaughan Township, Woodbridge; Nobel Consolidated School.

Plans were examined and reported upon for Kirkland Lake High and Vocational School; Orillia Collegiate.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph:

General repairs were made to the tile roofs of the Maids' Dormitory Building and the Trent Institute.

Sundry minor repairs were made to the roofs of other buildings in general.

An insecticide Laboratory was installed in the basement of the Physics Building.

Repairs were made to the ventilator damaged by lightning on the Dairy Building.

As summarized previously in this report, the major portion of the buildings forming the College Group proper at this College were loaned to the Department of National Defence for R.C.A.F. purposes. The R.C.A.F. occupancy commenced as of May 1st, 1941, and the buildings included with the portion of the premises allotted to their use, are as follows:

Watson Hall, Garage, Macdonald Institute, Macdonald Hall, Main dining hall and kitchen building, Mills Hall, Maid's Dormitory Bldg., Trent Institute, Administration building and students' residence, Gymnasium, Memorial Hall, Skating rink, Mechanics Bldg. (except blacksmith instruction shop), Bursar's Hall, Laundry Building, Engineer's house and Garage, Plumber's House.

The office and educational staff were moved to temporary quarters in other buildings and an extensive program of alterations was carried on to provide the necessary temporary accommodation in order that the most of the educational work of the College could be carried on.

The existing coal vault, not in use at the time, was renovated and a floor installed to provide lock-up storage accommodation for the furniture, furnishings and equipment not required by the R.C.A.F. or by the College.

Ontario Veterinary College, Guelph:

Plans and specifications were drawn up and contracts let for a Bang's Disease Testing Laboratory Building at this College. The work was started and was well under way during this fiscal year.

Minor repairs were made to the plaster work of the main building.

Agricultural School, Kemptville:

Working drawings and details were prepared for the erection of a seed cleaning plant at this school, by the Department of Agriculture, but the construction work was not put in hand.

Western Experimental Station, Ridgetown:

At the Agricultural School, the chimney on the school building was extended in height and repairs were made to the foundations and drains.

A new domestic hot water boiler was installed as a replacement. No work was done on the farm buildings.

Demonstration Farm, New Liskeard:

The old Getty farm house was purchased along with the Getty farm, by the Department of Agriculture. The house was moved to a new site convenient to the Demonstration Farm Buildings and left ready for installing new foundations in connection therewith.

Repairs were made to the buildings of the Demonstration Farm in general by the staff labour and the materials provided by this Department.

Horticultural Experimental Station, Vineland:

General repairs were made to the plumbing systems in the staff residences.

The packing house was re-shingled and used for housing female farm labour.

Minor repairs were made to the roof at the rear of the greenhouse.

The verandah on the cottage at the Lake was rebuilt.

Glass and putty was supplied for future repairs to greenhouse.

Repairs were also made to the heating plant, including repairs to stokers, return pumps and piping.

DISTRICT BUILDINGS

Due to war conditions, the work done in connection with these district buildings was kept to a minimum and the only work items carried out were those of an urgent nature, as described in the following subdivisions.

Algoma:

At the Court House, Sault Ste Marie, minor repairs were made, including the replastering of ceilings in the Sanitary Inspector's and Sheriff's offices and portions of the ground floor ceilings in the central and east corridors. Minor repairs were made to wood floors and to roof. Four new shaking grates and twelve side bars were purchased for boiler replacements.

The Registry office at Sault Ste Marie is still being used by the Red Cross.

At the Gaol, Sault Ste Marie, prison locks, purchased last year, were installed and the tile pipe, also purchased last year, has been partly installed by prison labour. A complete set of grates was purchased.

Cochrane:

At the Court House, Cochrane, minor repairs were made, including repairs to hardware, interior painting, installation of eight storm sash and four new lighting fixtures of the louvred type. The brick arches and side walls in the boilers were repaired and some boiler tools provided. The leaking flange joints in the steam header were re-gasketed and a new dead plate installed.

At the Lock-up at Hearst, a new entrance porch was installed and alterations made to the interior to separate the stairway to the Policeman's living quarters

from the Lock-up corridor. Minor repairs were also made to the steam heating system of this Lock-up.

Kenora:

At the Court House, Kenora, minor repairs were made, including repairs to hardware. A new electric heater and domestic water tank were installed for Janitor's quarters and for the Court House. Cupboards and wall linings were installed in the Janitor's kitchen. Fly screens were installed on the basement windows of the Police and Janitor's quarters and a new night latch placed on the back door. Minor repairs to Gaol and Gaoler's residence were made.

The sewage system and septic tank and piping at Sioux Lookout were repaired and renovated and the rear entrance stairs were remodelled. Six window blinds were replaced.

Manitoulin:

Provision was made for removing brass plugs for washing out steam boiler in Court House at Gore Bay and a new radiator was installed in the shower room of the Gaol.

Muskoka:

At the Court House, Bracebridge, minor repairs were made to outside wood steps. The cement sidewalk leading to entrance steps was levelled up and new concrete terrace steps installed at street curb. A new flag pole was erected and the old outside lavatory and storehouse building was re-modelled to provide a garage with new doors and new cement floor for the Governor of the Gaol. A typewriter desk was provided from the Court House, Haileybury. A new safety valve was installed on the hot water boiler in the Court House.

At the Gaol at Bracebridge, a new side entrance door and new sidewalk were installed to provide a separate entrance to the Gaol for the prisoners; this work included a new prison type lock, an outside electric light and a signal bell.

Nipissing:

Minor repairs were made in Court House, Gaol and Health Clinic at North Bay and one disused chimney removed from the Court House.

At the Gaol in North Bay, minor repairs were also made, a new stair hand-rail installed and material for additional fly screens provided. Brass cleanout plugs were provided for boiler water columns and a new 2" check valve and fittings provided for the re-arrangement of domestic hot water circulation.

Parry Sound:

General repairs and improvements were made at the Court House, Registry Office and Gaol at Parry Sound and Lock-up at Burk's Falls.

In the Court House, ceilings were replastered in the Judges' room, Sheriff's office and about half of the ground floor hall and the walls and ceilings of these rooms were painted thereafter.

A two car brick garage was erected for the Provincial Police at the rear of the Court House.

Some new lighting fixtures were installed in the Registry Office.

Paint was purchased for the interior of the Gaol, to be applied by inmate labour.

Considerable repairs were made to the boilers in the Court House, including welding and reinforcing of boiler shells and repairs were made to hot water circulating pump and motor.

At Burk's Falls a new domestic hot water tank was installed complete with heat exchange coil unit. The radiation was increased in the Lock-up section.

At Burk's Falls the interior of the Lock-up was repainted and the unused women's cell was altered, including removal of the existing toilet to make office space, including furniture for the Provincial Constable. Cupboard space was provided for Janitor's equipment.

Rainy River:

Minor repairs were made in the Court House and Registry Office, Fort Frances.

The roof of the Gaol at Fort Frances was re-shingled with asphalt shingles and minor repairs made, including repairs to plumbing.

The front arches of the boilers in the Court House were rebuilt. Repairs were made to defective steam piping in the basement and the return pump was repaired. During the fall of this year, new grates were installed for burning coal; wood had previously been used as fuel.

Sudbury:

General repairs and improvements were made to the Court House, Registry Office and Gaol at Sudbury. Three large wash basins were installed in the cell block corridors of the Gaol. A number of more efficient electric lighting fixtures were installed in the Court House and Registry Office, continuing the improvement of lighting conditions which was started last year. Minor repairs were made to boilers and stokers in Court House.

Paint was supplied for the floors of the Lock-up at Foleyet.

Temiskaming:

Minor repairs were made to the Court House, Registry Office and Gaol at Haileybury.

At Englehart, wood trim was installed to complete the alteration work previously started in the quarters for the Provincial Constable and the whole was redecorated.

The Lock-up at Cobalt was loaned to the Department of Mines for fitment and use as temporary quarters for testing Cobalt ores and concentrates, pending completion of permanent quarters in Cobalt, now under consideration.

A new section was installed in the heating boiler of the Office Building at New Liskeard.

A new hot water heating system was installed at the Mining Recorder's Office at Swastika to replace an obsolete hot air heating system.

Minor repairs were made to boilers at Court House, Haileybury.

New grates were provided for hot water furnace and smoke pipe renewed for the Lock-up at Englehart.

New grates were provided for boiler in Government Building at Elk Lake and boiler mountings checked.

Thunder Bay:

Minor repairs and improvements were carried out where required at the Court House, Gaol and Registry Office at Port Arthur. At the Court House some painting was done in various offices and some additional electric lighting fixtures were installed. Door hardware was renewed where required.

At the Gaol, the painting work was carried on by the inmates and minor repairs were made to the boilers by the staff. The necessary materials were supplied by this Department who also purchased twelve new prison type locks.

ONTARIO HOSPITALS

Ontario Hospital, Brockville:

A general survey of the domestic water supply service was made and plans and specifications prepared for a new steel water tower and fire-proof pump house, but the work was postponed as the Steel Controller at Ottawa did not approve of the use of steel for the proposed elevated tank, at this time. Minor repairs were made to eavestroughs and conductor pipes on main building. Completion of changes to electric distribution system were carried out.

Ontario Hospital, Brampton:

The new administration building and a portion of the lands of this Institution were loaned to the Department of National Defence for army training purposes and their occupancy commenced as of August 11th, 1941. The new building was used for detention purposes.

The remaining farm lands and buildings have continued to be used and operated by the Department of Health for farming purposes.

Ontario Hospital, Cobourg:

Minor repairs were made to chimneys on Superintendent's residence, also to roofs, conductors and eavestroughs on the main building.

The floor of the patients' lavatory on the ground floor of the east pavilion was jacked up and reconstructed.

Ontario Hospital, Fort William:

The roof over the farm Superintendent's residence was re-shingled.

A new spare cylinder was supplied for the deep well pump and minor repairs were made to the other working parts of the pump system by the Institution staff.

The old beef cattle barn on the south side of the Highway was destroyed by fire on July 26th, 1941, and was not replaced.

Ontario Hospital, Hamilton:

A new shingle roof was laid over the Superintendent's residence and flashings, gutters and down pipes were replaced.

A new asphalt shingle roof was laid over the main barn at Hickory Farm and considerable repairs were made to strengthen the framing and floors. Considerable repairs were made to roofing, eavestroughs and conductors on main building, Orchard House, Nurses' Residence and Pump House.

Repairs were made to pole line for electric power on the brow of the Mountain, which had been damaged by storm. Verandahs on the Nurses' residence were repaired.

Ontario Hospital, Kingston:

A new animal breeding house was erected on the Hospital grounds at the Newcourt Farm, to be used in connection with the experimental work of the Ensol Laboratory. The materials and a portion of the labour were supplied by this Department and the balance of the labour was furnished by the Hospital.

Considerable repairs were made to roofs, eavestroughs and conductors on the main building. A new shingle roof was laid over the Herdsmen's House. A new furnace was installed in the farmer's house, as a replacement.

Ontario Hospitals, Langstaff and Concord:

A new standby steam boiler was provided and installed at the Central Kitchen building and the existing boiler was renovated at Langstaff. Repairs were made to portions of roofs where damaged by wind storm at Langstaff.

Repairs and renewals were made to the bridge over the creek at Concord. The material was supplied by this Department and the labour, for the most part, supplied by the Department of Health.

Ontario Hospital, London:

Considerable repairs were made to the roofs of the main building and assembly hall and eavestrough repairs were made on the main building, reception building and workshop and laundry.

Replacement parts were supplied by this Department for one of the boiler feed pumps and installation was made by the hospital staff mechanics.

Ontario Hospital, New Toronto:

A new extractor was shipped from the Ontario Hospital, St. Thomas stores and installed in the laundry of this Institution.

Two continuous baths were removed from cottages 5 and D and installed in the Male Reception unit, cottage 2.

Additional inside window guards were supplied and installed in cottage 2 and outside basement window guards in cottages 2 and B.

Ontario Hospital, Orillia:

Plans were prepared for an extension to the existing piggery and the work carried out in conjunction with the Department of Health, who supplied the labour required. This Department supplied the materials.

Plans and specifications were prepared and the work started to provide a general service elevator required for food service to the patients' new dining room in the basement and to bed patients located on the upper floors of the Main Building. A third storey was added to the existing two storey connecting corridor to allow the new elevator to serve all floors of the Administration Building and Cottages A and K.

It was arranged that the hospital mechanics be directed to devote as much of their time as possible to this project. A contract was let for the elevator.

The Horse Barn and Implement Shed were re-roofed with asphalt shingles.

One of the chimneys on the Main Building was removed, on account of it being disused and in a dangerous condition.

Window guards were installed as replacements; ten guards in Cottage A Hospital and four guards in Cottage B.

Ontario Hospital, Penetanguishene:

Repairs were made to the piping over boilers numbers 1 and 2 and a draft control taken from the Ontario Hospital, Whitby was installed.

Drawings were prepared and materials supplied by this Department for the new entrance to the ground floor of Cottage A; the work was done by the Hospital staff.

Ontario Hospital, Port Arthur:

The new building and a portion of the lands, as stated in the previous year's report, were loaned last year to the Department of National Defence for the duration of the war.

Ontario Hospital, 999 Queen Street West, Toronto.

The work was carried to completion by day labour in connection with the installation of a Virus Laboratory and Dental Laboratory in one of the existing outbuildings at the north west corner of the premises of this Hospital.

A new electrical feeder system was brought in to serve the new Virus Laboratory. Repairs were made to the electric feeder pole line and transformer structure at the carpenter shop.

Psychiatric Hospital, Toronto:

Minor repairs were made to the plumbing system.

Ontario Hospital, Whitby:

The brick pipe tunnel was repaired and partly rebuilt and piping was changed and covered from the centre cross tunnel to the Superintendent's residence.

The wall tile work was replaced, after waterproofing the walls, in the ground floor shower rooms of four patients' cottages.

General exterior stucco and brickwork repairs were made to Patients' Cottages and Dining Halls.

General roof repairs were carried out. The horse stable roof was replaced in asphalt shingles.

Ontario Hospital, Woodstock:

The exterior basement walls of the Administration Building, below grade, were damp proofed and the drainage of the areas revised.

Plans were made for an extension to the piggery and the material was purchased by this Department; the labour being done by the Institution staff mechanics.

Ontario Hospital, St. Thomas:

As stated in the previous reports, this Institution is now on loan to the Department of National Defence for R.C.A.F. training purposes, except the farm portion, which is operated under the jurisdiction of this Department.

Minimum progress repairs were made to the existing farm buildings, as required.

Minor repairs were made to the Engineer's House.

Furniture, furnishings and equipment were loaned from the Public Works locked-up store on these premises, from time to time, according to approved requisition received from the R.C.A.F. at St. Thomas, or from other mental hospitals requiring additional goods during the year.

EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Plans were examined and recommendations forwarded to the Department of Health in connection with proposed alterations, or additions to public and private hospital buildings and in connection with new hospital projects. The following were the projects dealt with:

Brant Sanatorium, Children's Preventorium, Brantford.

Brockville General Hospital.

Fort William Sanatorium, Doctor's Residence.

Alexandra Hospital, Ingersoll.
St. Joseph's Hospital, Hamilton.
Hamilton General Hospital.
Hillcrest Private Hospital, Orillia.
Niagara Peninsula Sanatorium.
Private Hospital, Napanee.
Red Cross Hospital, Mindemoya.
Private Hospital, London.
Victoria Hospital, London.
Kingston General Hospital.
Kirkland Lake District Hospital.
Kincardine General Hospital.
General Hospital, Nobel.
General Hospital, Moosonee.
Canadian Mothercraft Hospital, 49 Clarendon Avenue, Toronto.
East Windsor Hospital.
Essex County Sanatorium, Windsor.
Grace Hospital, Windsor.
Private Hospital, Windsor.
Red Cross Hospital, Thessalon.
St. Mary's Private Hospital, Toronto.
Welland County Hospital.
Pickle Crow Gold Mines Private Hospital, Patricia District.
Prince Edward County Hospital, Picton.
Palmerston General Hospital.
Hospital for Defence Industries Limited, Pickering.
Hartington Nursing Home, Ottawa.
Ottawa Civic Hospital.

Sketch plans were also prepared at the request of the Department of Health for a proposed new Psychiatric Unit to be installed at the Victoria Hospital, London.

ONTARIO REFORMATORIES

Industrial Farm, Burwash:

Plans and details were prepared for the erection of a farm office and prisoners' comfort station to be erected by members of the Institution staff and the prisoners.

Plans and details were prepared for a typical one-storey staff residence, three of which were to be erected by members of the Institution staff and prisoners.

Plans and details were prepared for a new cow barn for erection by the members of the Institution staff and the prisoners.

Ontario Reformatory, Guelph:

Plans were made for reinforcing the cook room floor of the Abbatoir Building and the work was to be done by the staff.

Plans and details were prepared for the erection of an addition to the Cannery and Laundry Building to provide lavatory and locker accommodation, properly segregated and as required by the Dominion Inspection Officer.

Andrew Mercer Reformatory, Toronto:

Plans were prepared and the work carried out in connection with the rehabilitation of the kitchen structure and the installation of new equipment for

the main kitchen and main dining room units. Fire doors were installed throughout to separate the main building into four sections to prevent the spread of fire.

Minor roof repairs were made to the laundry section and main building, including installation of new conductor pipes.

Ontario Reformatory, Mimico:

As stated in the report of the previous fiscal year, this Institution was loaned to the Department of National Defence. The farm lands and farm buildings were finally decided to be omitted from the premises previously turned over to the Dominion, with the exception of certain small portions of the said farm lands, which were, by letter, turned over to the use of the Dominion for garden purposes. The agreement between the Province and the Dominion was redrafted in accordance with these arrangements.

The farm lands and buildings of this Reformatory, together with the premises of the adjoining old Victoria Industrial School, Mimico, are now being operated by the Department of Health.

Material was supplied for the re-roofing of the dry kilns on the Reformatory premises with the understanding that the work would be undertaken by the military staff.

Industrial Farm, Monteith:

As noted in the report of the previous fiscal year, this Institution is now on loan to the Department of National Defence and under their complete jurisdiction.

ONTARIO TRAINING SCHOOLS

Boys' Training School, Bowmanville:

Repairs were made to the swimming pool in gymnasium building. The roofs and skylights over this building were also repaired.

The eavestroughs on Jury and Kiwanis Lodges were repaired and the roof leaks on the Superintendent's residence made good.

This Institution, as noted previously in this report, was loaned to the Department of National Defence as a detention camp for officer prisoners of war and their occupancy commenced as of November 3rd, 1941.

To provide for the occupancy of these premises by the Department of National Defence, temporary premises were provided for a portion of the population of this Institution by the leasing of premises known as the Senkler Estate in Bowmanville. Considerable alterations and repairs were carried out to make these premises suitable for the temporary purposes of this School.

As an addition to these rented premises, plans and specifications were prepared and tenders received for a one-storey temporary addition to provide living accommodation for fifty boys with quarters for two supervisors, but the work was not proceeded with. A temporary residence was leased in Bowmanville and made suitable for the occupancy of the Superintendent of the School.

Girls' Training School, Galt:

Specifications were prepared and prices obtained for the exterior painting of all buildings, but the work as outlined, was carried on by the staff and inmates brought from the Ontario Reformatory, Guelph.

The doors to the single rooms in the Coronation Cottage were changed to swing out.

FISH HATCHERIES

Hill's Lake Hatchery (Temiskaming District):

Due to unusually heavy flooding by rains in this District, which almost caused the water from Sunday Creek to flow back in the Hatchery ponds, the banks of the said creek were cleaned of brush for a distance of over two miles and the dead wood, sunken logs and other obstructions removed, to prevent further flooding conditions. To further insure against damage by flooding, the hatching troughs in the Hatchery building were set at a higher level.

ONTARIO HIGHWAYS BUILDINGS

Plans and specifications were prepared and architectural supervision was given for the following work, for which the Department of Highways were to let the contracts:

Garage and store house, Ottawa.
Scale House No. 1. Stoney Creek, Queen Elizabeth Way.
Scale House No. 2. Stoney Creek, Queen Elizabeth Way.
Staff Residence, Geraldton.

Working drawings were prepared for the following future work:

Typical highways equipment garage.
Typical highways storage shed.
Typical highways portable truck garage.
Information office and scale house, Homer.

Sketch plans were prepared for the following contemplated work:

Scale house, East of Homer.
Information office and comfort station at Ivy Lea.
Typical Highway scale house for Northern Ontario.
Equipment Garage, Bancroft.
Staff Residence, Log cabin style, for Northern Ontario.

BOILER INSPECTION

As noted in my report of the previous fiscal year, Mr. John Sharp, who was previously a member of this Department and who made the previous years' inspections, was transferred to the Department of Labour on March 1st, 1941, and his work was, thereafter, undertaken by Mr. H. G. Walsh, in addition to his duties as Chief Stationary Engineer for the Parliament Buildings.

Excluding the existing plants which have been loaned to the Department of National Defence for their own operations and responsibility in connection with the Institutions loaned for present war purposes, the inspection work covered this year, under the above heading may be briefly described as follows:

The boilers and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall and Educational Buildings, Agricultural Buildings, District Buildings, Ontario Hospitals, Ontario Training Schools and the Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of repairs and materials needed for such repairs to properly maintain and operate the heating plants in the building groups referred to. In the case of the Ontario Hospitals and the Ontario Reformatories, the reports, as referred to, were sent to the Departments of Health and Provincial

Secretary respectively for their attention in the matter of making the repairs recommended.

The recommendations contained in the reports regarding plants in all the other building groups described in this section, were attended to by this Department.

PROVINCE OF ONTARIO SAVINGS OFFICES

Hamilton Branch, Ottawa Street North:

Plans and specifications were prepared, contracts let and the work completed for the remodelling and enlargement of the existing premises. An adjoining store was leased and used to gain the extra space required. The alterations and additions in this case provided for a new built-in vault to replace the original portable accommodation.

Aylmer Branch:

Working drawings were prepared for a new front for these premises to be erected by the Lessor, but the work was not carried out this year.

St. Catharines Branch:

Proposed new premises were examined and measured and temporary sketch plans prepared in connection with the necessary work to be done, if it was decided to lease the premises in question. The project was abandoned after the rental quotation was received.

General:

Co-operation was given to the Head Office management in the matter of general routine maintenance and repair work at the branches where such work was requested.

Renewal of expiring leases in connection with branch offices were negotiated and arranged, as required.

MISCELLANEOUS

Ontario Government Building, Kingston:

Miscellaneous repairs were made to plumbing and heating and to the eaves-troughs of this building.

Air Raid Precaution Work:

Co-operation was given to the various other Government Departments as requested, in connection with proposed air raid precaution work as follows:

Charts were made at the request and direction of the Fire Marshal's Department showing available fire fighting equipment in twelve vulnerable areas in the Province.

Assistance was given in the making of a survey of the population of the Parliament Buildings, including East Block, for the purposes of air raid drills and evacuation.

As requested by the Department of Health, estimates were prepared from data submitted by the General Hospitals of Ontario in connection with proposed protection of windows against high explosive bombs and for blacking-out purposes, if required.

Surveys were made of 22 schools and academic buildings in the Toronto area at the request and in co-operation with the Department of Health to ascer-

tain the number of patients which could be accommodated if these buildings were used as auxiliary hospitals. Surveys were also made of five schools in the Hamilton area, four schools in the Windsor area, and two schools in the Sarnia area in the same manner and for the same purpose.

Some experimental work was carried out at the request of the Department of Health in connection with the blacking-out of windows at the Ontario Hospital, Toronto.

Sketch plans were made, at the request of the Department of Health, for a gas decontamination unit proposed to be erected at General Hospitals throughout the Province, if required.

Residence for Mr. Oliva Dionne and Family:

The site of the present home of the Dionne Quintuplets at Callander was surveyed and at the close of this fiscal year, the preparation of the plans and specifications were nearing completion for a residence for Mr. Oliva Dionne and his family, including the Quintuplets. This work was done in co-operation with the Dionne Quintuplet Guardianship, who will call for the tenders on the work and let the contracts.

Courts in City Hall, Toronto:

Sketch plans were made for the re-location of the Surrogate Court and Judges' Chambers in this building, but the work was not proceeded with.

Registry Office, Toronto.

Sketch plans were prepared for proposed new third-storey addition on this building to accommodate court rooms proposed to be removed from the City Hall, Toronto, but the matter was held for later consideration.

Architect's Staff:

Mr. S. J. Vance, who has been in the Government service for twenty-five years was appointed as an Assistant Architect on December 1st, 1941.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Chief Architect.

Toronto, March 31st, 1942.

REPORT OF THE ENGINEER

THE HONOURABLE T. B. McQUESTEN, K.C., B.A., LL.B., M.P.P.,
Minister of Public Works,
Parliament Buildings.

SIR:

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1941, to March 31, 1942.

All the work was done by day labour under local foremen, employing local men and using local material wherever possible.

The usual maintenance of locks, dams, docks and navigable channels was carried out, and four storage dams were built. Drainage work was done in five districts and aid given to two municipal drains under the Provincial Aid to Drainage Act.

Maintenance work was as follows:

Port Carling Dock:

The dock leading from the locks to the Port Carling Boat Works was renewed with timbers and a three-inch plank deck. This dock is 235 feet long and 22 feet wide.

Tilden Lake Dam:

At the north end of this dam a section of the old dam and fill was taken out by spring floods. This section was rebuilt in heavy timber and a heavy fill placed in front of it.

Blind River Dam:

Several leaks had developed under the timber dam on the west channel. A heavy earth fill was placed in front of the sheeting to stop these leaks.

Dollars Dams:

The west dam was leaking badly and the wing at the east end was badly decayed in several places. The leaks were stopped by sheeting and gravelling and the decayed portion of the wing renewed in timber. The deck of the east dam was repaired and other minor repairs made at both dams.

Kashee Lake Dam, Bolger:

The sheeting on this dam was renewed and an earth fill put in. The upper 2 feet of the dam was removed to give a better outlet for spring floods.

Deer Lake Outlet:

The outlet of this lake had become blocked with logs and sediment so that during spring floods the water in the lake rose very high and did considerable damage to tourist and farm properties. The logs were removed and the channel cleaned out to prevent this flooding.

Mad River Dyke:

On Lot 7, Concession 4, Nottawasaga, there was a bend in the river and during floods the river left its natural course and flowed across several farms before returning to its proper course, doing considerable damage to farms and

roads. A dyke was built of timber cribs and earth and rock fill for a distance of 300 feet at this bend to keep the river in its proper course.

Muskoka Lakes Buoys:

All buoys on the Muskoka Lakes taken away by the spring floods were replaced and the boat channels kept clear of obstructions.

STORAGE DAMS

Kearney Dam:

This is a timber dam on the Magnetawan River about 2 miles below the Village of Kearney. It holds the water up at the Village, providing a better water supply and aids navigation up the river to the lake above. It is 120 feet long, 4 feet high, and provided with four sluiceways, each 12 feet wide.

Scott Dam:

This is a timber dam on the Restoule River. It raises the lower level of the river 4 feet, flooding out a long rapids which was difficult to navigate before. It is 100 feet long, 4 feet high, and has four sluiceways, each 12 feet wide.

Rock Lake Dam:

This is a concrete dam built at the outlet of Rock Lake in Algonquin Park. It replaced an old timber dam and holds the water up on Rock Lake and several other lakes, making navigation possible between them. Two sluiceways each 20 feet wide and 7 feet deep are provided. The overall length of the dam is about 300 feet.

Palmerston Lake Dam:

This is a concrete dam built at the outlet of Palmerston Lake in Addington County. It holds the water up on the lake for navigation purposes and also serves as storage for several power plants below. It is a concrete dam 75 feet long and 8 feet high. It is provided with a sluiceway 8 feet wide.

MUNICIPAL DRAINAGE

Municipal road drainage was carried out in the following districts: Victoria and Haliburton, Peterborough, Muskoka, Parry Sound, Sudbury and Renfrew.

PROVINCIAL AID TO DRAINAGE

Boyle Drain and South Maitland River Improvement:

This drain was improved by the Township of Elma under the provisions of the Municipal Drainage Act in accordance with report, plans and specifications prepared by Mr. S. W. Archibald, Civil Engineer, of London, Ontario.

The work consisted of the deepening, widening and straightening of the old channel for a distance of a little over six miles, starting at the easterly boundary of the Township of Elma on Lot 35, Concession 14, and continuing westerly to Lot 15, Concession 13, Elma Township. The width of the drain was 5 feet at the upper end and 24 feet at the lower end. The depth of the cut averaged about 2 feet.

Two branch drains were improved in connection with this scheme but they were not entitled to aid according to the Act.

The cost of the work as reported by the treasurer of the township was \$14,331.61 including the two branches. Deducting the cost of the branches, which was \$2,520.88, leaves a balance of \$11,810.73, on which the 20% grant was based.

The Dominion Government agreed to contribute an amount equal to the Provincial grant. According to the Act, any such contributions must be deducted from the cost. The amount paid by each Government was \$1,968.48.

The drain was examined and found completed in a satisfactory manner, and on report a grant of \$1,968.48 was paid to the Township of Elma according to the Provincial Aid to Drainage Act.

Townline Pumping Works:

This is a pumping drainage system consisting of about 6,000 acres of land in the Townships of Chatham and Dover in Kent County.

The pumping plant consisted of the old type dash wheel pump 28 feet in diameter, driven by a steam engine. This plant was very cumbersome, inefficient, and was liable to break down at any time, which might have meant the loss of a season's crop.

The Township of Chatham therefore decided to put in a new and up-to-date plant and engaged Mr. W. G. McGeorge, Civil Engineer, of Chatham, to prepare a report, plans and specifications for same.

The new plant consists of a modern turbine pump of 30,000 gallons per minute capacity, driven by a 100 horse power International Harvester gas engine, using either gasoline or natural gas as fuel. This plant is housed in a neat concrete block building, 18 feet by 22 feet, with concrete foundation and floor, and a metal roof.

The total cost of this new plant as reported by the Treasurer of the Township of Chatham was \$13,411.70, less credit for sale of old plant of \$300.00, leaving a net cost of \$13,111.70, on which the 20% grant was based.

The plant was examined and found to be working very satisfactorily, and on report a grant of \$2,622.34, being 20% of the cost, was paid to the Treasurer of the Township of Chatham.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER,

Engineer of Public Works.

Toronto, March 10, 1943.

Department of Public Works, Ontario.

Toronto, March 30th, 1943.

THE HONOURABLE T. B. McQUESTEN, K.C., B.A., LL.B., M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

SIR:

I have the honour to submit the following statement showing the several contracts entered into with His Majesty during the twelve months ending March 31st, 1942, in connection with the Public Buildings and Works, subject to the control of the Public Works Department of Ontario.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,

Secretary and Accountant.

STATEMENT No. 24

Showing the several contracts entered into with His Majesty during the twelve months ending March 31st, 1942, in connection with the Public Buildings and Works, subject to the control of the Department of Public Works, Ontario.

DATE	LOCATION OF WORK	SUBJECT OF CONTRACT	CONTRACTORS	AMOUNT
1941 July 3	Province of Ontario Savings Office, 316-318 Ottawa Street North, Hamilton.....	Alterations and improvements.....	Kennedy Connor & Son, Hamilton.....	\$8,685.00
Dec. 2	Ontario Veterinary College, Guelph	Construction of Bangs Disease Testing Laboratory.....	Pigott Construction Co., Hamilton.....	23,400.00
Dec. 2	Ontario Veterinary College, Guelph	Heating for Bangs Disease Testing Laboratory.....	George C. Abbott Limited, Toronto.....	2,582.00
Dec. 2	Ontario Veterinary College, Guelph	Plumbing for Bangs Disease Testing Laboratory.....	George C. Abbott Limited, Toronto.....	3,141.00
Dec. 2	Ontario Veterinary College, Guelph	Electrical work, Bangs Disease Testing Laboratory.....	Allen Electric Company Ltd., Toronto.....	1,662.00

STATEMENTS
of the
ACCOUNTANT
of
Public Works Department
1941-1942

Department of Public Works, Ontario,
TORONTO, February 18th, 1943.

HON. T. B. McQUESTEN, K.C., B.A., LL.B., M.P.P.,
Minister of Public Works.

SIR:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Public Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1942.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Secretary and Accountant.

SUMMARY OF EXPENDITURE
FOR FISCAL YEAR APRIL 1st, 1941 to MARCH 31st, 1942

Service	Ordinary	Capital	TOTAL
Main Office—Administration expenses, etc.....	\$ 87,720.92		\$ 87,720.92
Maintenance and repairs—Government Buildings.....	544,554.24		544,554.24
Public Works—Maintenance.....	10,533.27		10,533.27
Public Buildings.....		\$ 22,352.90	22,352.90
Public Works.....		174,734.63	174,734.63
Statutory—Drainage Aid.....		4,512.06	4,512.06
Special Warrants.....	78,895.15	23,604.80	102,499.95
TOTAL NET EXPENDITURE.....	<u>\$721,703.58</u>	<u>\$225,204.39</u>	<u>\$946,907.97</u>

STATEMENT OF REVENUE

Commissions on telegraphs and telephones.....	\$ 2,514.05		\$ 2,514.05
Sale of material.....	2,686.08		2,686.08
Sale of produce and stock.....	23,052.07		23,052.07
Rentals.....	29,890.69		29,890.69
Sale of property.....		\$3,756.25	3,756.25
Perquisites.....	2,232.00		2,232.00
Building equipment.....	171.55		171.55
Miscellaneous.....	72.67		72.67
Compensation from Dominion Government re occupation of portion of Ontario Agricultural College, Guelph, for war purposes.....	40,000.00		40,000.00
	<u>\$100,619.11</u>	<u>\$ 3,756.25</u>	<u>\$104,375.36</u>

S. WOOD,

Secretary and Accountant.

TORONTO, February 18th, 1943.

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st, 1942.

ORDINARY			
MAIN OFFICE:	Service	Amount	Amount
Salaries—Minister's salary.....		\$ 2,666.64	
Permanent.....		57,287.53	
Temporary.....		3,600.00	
Travelling expenses.....		1,122.31	
Maintenance.....		3,404.64	
Insurance and lightning rods.....		15,603.22	
Local Improvement Taxes.....		196.73	
Unforeseen and unprovided.....		37.50	
Compensation, medical, hospital and other accounts for workmen injured in Government work as awarded by The Workmen's Compensation Board, including proportion of administration expenses		<u>3,802.35</u>	
			\$ 87,720.92
GENERAL SUPERINTENDENCE:			
Salaries—Permanent.....		\$ 8,200.00	
Temporary.....		2,700.00	
Services, travelling and other expenses.....		<u>4,883.13</u>	
			\$ 15,783.13

LIEUTENANT-GOVERNOR'S APARTMENT:

Salaries.....	\$ 3,600.00	
Maintenance.....	766.80	
		\$ 4,366.80

LEGISLATIVE AND DEPARTMENTAL BUILDINGS:

Administrative Services:

Salaries—Permanent.....	\$ 17,137.50
Temporary.....	5,385.28
Telephone service.....	44,409.51
Typewriter inspection and repairs for all Departments.....	3,165.55

Maintenance Staff:

Salaries—Permanent.....	67,996.94
Temporary.....	117,694.85

Maintenance:

Fuel, light, gas, water and power.....	65,533.74
Cleaning supplies, upkeep of grounds and casual help.....	36,975.69
Furniture, furnishings and equipment for buildings.....	63.02

Mechanical Staff:

Salaries—Permanent.....	7,400.00
Repairs and alterations.....	58,447.63

\$424,209.71
3,000.00

Deduct Rentals..... \$421,209.71

OSGOODE HALL:

Salaries—Permanent.....	\$ 11,800.00
Temporary.....	9,334.63

Maintenance:

Fuel, light, water and power.....	5,362.38
Furniture, furnishings and equipment.....	17.19
Telephone service.....	2,778.22
Cleaning of buildings and incidentals.....	1,594.48
General repairs and alterations.....	5,425.15

\$ 36,312.05

EDUCATIONAL BUILDINGS:

Repairs and incidentals:

Toronto Normal and Model Schools.....	\$ 695.98
Ottawa Normal and Model School.....	60.25
London Normal School.....	55.37
Hamilton Normal School.....	298.84
Peterborough Normal School.....	16.37
Stratford Normal School.....	50.20
North Bay Normal School.....	57.20
Belleville School for the Deaf.....	1,798.49
Brantford School for the Blind.....	930.94
Ontario Training School for Technical Teachers—Hamilton.....	77.21
General—To provide for repairs, installation of boilers and heating plants in buildings and fire protection.....	2,226.36

\$ 6,267.21

AGRICULTURAL BUILDINGS:

Repairs and incidentals:

Ontario Agricultural College, Guelph.....	\$1,208.27
Ontario Veterinary College, Guelph.....	30.25
Horticultural Experiment Station, Vineland.....	1,048.07
Agricultural School, Ridgetown.....	285.62
Agricultural School, Kemptville.....	40.70
Demonstration Farm, New Liskeard.....	544.38
General—To provide for repairs, installation of boilers and heating plants in Agricultural Buildings and fire protection.....	263.71

\$ 3,421.00

TRAINING SCHOOLS:

Repairs and incidentals:

Ontario Training School for Boys, Bowmanville.....	\$491.34	
Ontario Training School for Girls, Galt.....	8.00	
		\$ 499.34

DISTRICT BUILDINGS:

Repairs and alterations, furniture and furnishings and improvements to grounds for all District buildings—

Algoma.....	\$ 1,329.29	
Cochrane.....	808.12	
Kenora.....	1,411.22	
Manitoulin.....	6.69	
Muskoka.....	592.24	
Nipissing.....	437.34	
Parry Sound.....	1,008.36	
Rainy River.....	667.07	
Sudbury.....	942.14	
Temiskaming.....	846.49	
Thunder Bay.....	1,067.69	
General—To provide for repairs, installation of boilers and heating plants in Districts and fire protection.....	2,110.17	
Salary of Caretaker, Temiskaming.....	825.00	
Government Building, Matheson—Maintenance.....	522.15	
		\$ 12,573.97

ONTARIO HOSPITALS:

Repairs and incidentals—

Brockville.....	\$ 389.63	
Cobourg.....	459.14	
Hamilton.....	4,190.64	
Kingston.....	4,075.39	
London.....	627.31	
New Toronto.....	414.08	
Orillia.....	929.00	
Penetanguishene.....	562.46	
Toronto.....	321.50	
Psychiatric, Toronto.....	64.57	
Whitby.....	5,822.30	
Woodstock.....	226.45	
Fort William.....	262.30	
Concord.....	215.22	
Langstaff.....	173.88	
Contingencies.....	234.36	
		\$ 18,968.23

ST. THOMAS:

To provide for expenses in connection with the leasing of Hospital to the Dominion Government for the purposes of National Defence (recurring charges recoverable from the Dominion Government, in accordance with Agreement)..... \$ 145.00

Farm operating expenses:

Salaries.....	\$ 5,040.00	
Expenses.....	16,439.70	
	\$ 21,479.70	
		\$ 21,624.70

PUBLIC WORKS:

Maintenance:

Salaries (Lockmasters, Supervising Foreman, etc.).....	\$ 5,160.01	
Repairs to locks, dams, etc.....	4,584.16	
Equipment.....	246.37	
Maintenance of Hawkesbury-Grenville Bridge.....	542.73	
		\$ 10,533.27

ONTARIO GOVERNMENT OFFICE BUILDING, KINGSTON:

Maintenance:

Salary of Caretaker.....	\$ 1,299.96	
Cleaning supplies, fuel, electricity, water, repairs and incidentals	2,228.14	
		\$ 3,528.10

SPECIAL WARRANTS:

Expenses in connection with leasing portion of Ontario Agricultural College, Guelph, to Dominion Government for purposes of National Defence.....	\$ 15,871.98
Expenses in connection with leasing the Toronto Normal and Model School to the Dominion Government for purposes of National Defence.....	2,716.49
Expenses in connection with leasing the Ontario School for the Deaf, Belleville, to the Dominion Government for purposes of National Defence.....	17,991.56
Expenses in connection with leasing the Ontario Training School for Boys, Bowmanville, to the Dominion Government for purposes of National Defence.....	4,598.89
Expenses in connection with transfer of patients from Ontario Hospital, St. Thomas.....	4,597.80
Cost-of-living bonus.....	33,075.00
Unemployment Insurance stamps.....	43.43
	<u>\$78,895.15</u>

TOTAL ORDINARY EXPENDITURE..... \$721,703.58

CAPITAL

ONTARIO HOSPITALS:

Additions, alterations, equipment and fire proofing..... \$ 5,244.99

ONTARIO REFORMATORIES:

Additions, alterations and equipment..... 9,316.61

DISTRICT BUILDINGS:

To provide for construction of works and buildings, alterations and fire proofing and expenses in connection therewith..... 835.26

FISH HATCHERIES:

Construction and alterations to Fish Hatcheries..... 6,956.04

PUBLIC WORKS:

Municipal Drainage..... \$ 7,248.02

Storage dams and docks..... 9,210.06

Grants:

Grant by the Province of Ontario towards the cost of the Grand River Conservation Scheme on the basis of 37½% of actual cost 158,276.55

174,734.63

STATUTORY:

Drainage Aid..... 4,512.06

SPECIAL WARRANT:

Construction of a Bangs disease Testing Laboratory at the Veterinary College, Guelph..... 23,604.80

TOTAL CAPITAL EXPENDITURE..... \$225,204.39

SUMMARY

ORDINARY EXPENDITURE:

Main Office and Maintenance and Repairs of Government Buildings \$721,703.58

CAPITAL EXPENDITURE:

Public Buildings and Public Works..... 225,204.39

\$946,907.97

S. WOOD,

Secretary and Accountant.

Department of Public Works, Ontario.

TORONTO, February 18th, 1943.

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REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1943

1942/43

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1944

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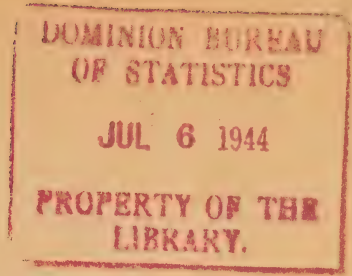
SESSIONAL PAPER No. 8—1944



ONTARIO

TORONTO

Printed and Published by T. E. Bowman, Printer to the King's Most Excellent Majesty
1944



To:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant, for the twelve months ending the 31st of March, 1943.

Respectfully submitted,

GEO. H. DOUCETT,
Minister of Public Works.

Department of Public Works, Ontario,
Toronto, March 21, 1944.



REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

SIR:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Accountant for the financial year April 1, 1942, to March 31, 1943. These reports indicate the multitude of repair jobs that have been carried out, particularly to the mechanical service and equipment, every effort being made to maintain these services and equipment in working condition to avoid replacement as long as possible, to assist in conserving materials for the war effort.

ARCHITECT'S BRANCH

The expanding war activities of the Dominion necessitated the use of additional Provincial buildings and the following is a complete list of the institutions and buildings leased to the Dominion since the commencement of the war:

ONTARIO GOVERNMENT INSTITUTIONS LEASED TO THE DEPARTMENT OF NATIONAL DEFENCE FOR WAR PURPOSES

Institution	No. of Buildings	Valuation	Use of Institution
Ontario Hospital, St. Thomas	19	\$ 6,199,827	R.C.A.F. Training Centre.
Ontario Hospital, Port Arthur	1	125,000	Military.
Industrial Farm, Monteith. . .	14	373,000	Internment Camp.
Ontario Reformatory, Mimico	21	700,000	Internment Camp.
Agricultural College, Guelph	19	2,723,126	R.C.A.F.
Normal School, Ottawa.	1	237,000	Office Accommodation.
Ontario Hospital, London (52 acres).	land only	22,500	Military.
Ontario School for Deaf, Belleville.	16	1,322,282	R.C.A.F.
Normal and Model School, Toronto.	5	1,554,545	R.C.A.F.
Boys' Training School, Bowmanville.	36	830,000	Internment Camp for Enemy Officers.
Ontario Hospital, Brampton. .	1	274,803	Military.
Girls' Training School, Galt. .	8	400,000	Naval School.
Agricultural School, Kempt- ville.	7	400,000	Officers' Training School (Army) for administration.
TOTAL.	148	\$15,162,083	

In addition to the aforementioned list of buildings, The Teachers' Technical Training College at Hamilton has been used by the Dominion for teaching technical educational courses for war purposes.

To provide facilities for the Department of Mines for the sampling and assaying of cobalt and silver ore, the Town Hall at Cobalt was purchased and will be remodelled to re-establish the Temiskaming Testing Laboratories which were destroyed by fire.

In addition to the regular work of the Department, a variety of services have been rendered in co-operation with other departments, in preparing plans and giving technical advice and carrying out various projects which are enumerated in detail in the Architect's report.

ENGINEER'S BRANCH

Repairs to the locks and dams in the Northern Districts have been carried out where necessary, the work being done by day labour. In accordance with the provisions of the Provincial Aid to Drainage Act, a grant of \$3,310.38 was made to the Township of West Gwillimbury towards the cost of the Holland Marsh Drainage Scheme.

A final payment of \$124,326.02 was made to the Grand River Conservation Commission, bringing the total grant by the Province toward the cost of the work to \$769,318.68. The Dominion also contributed a like amount, the balance of the cost being distributed amongst the benefitting municipalities.

SECRETARY AND ACCOUNTANT'S BRANCH

Owing to the large volume of construction being undertaken by the Dominion for war purposes, it was found expedient to carry out our works chiefly by day labour.

The revenue received totalled \$152,093.95, consisting chiefly of compensation from the Dominion Government in regard to the costs of providing temporary quarters for displaced personnel from institutions leased to the Department of National Defence and for rentals of other properties.

The expenditures are summarized as follows:

Main Office.....	\$ 122,710.16
Maintenance and Repairs—Government Buildings....	638,907.61
Total Ordinary.....	\$ 761,617.77

CAPITAL

Public Buildings and Public Works.....	\$ 316,749.03
Total Net Expenditures.....	\$1,078,366.80

I have the honour to be, Sir,

Your obedient servant,

R. A. McALLISTER,
Deputy Minister of Public Works.

TORONTO, March 20, 1944.

REPORT OF THE ARCHITECT

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works.

SIR:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1942 to March 31st, 1943, as follows:

ONTARIO GOVERNMENT INSTITUTIONS LOANED
TO

THE DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year, two Province of Ontario Institutions were turned over, all, or in part, as described later in the body of this report, to the use of the Department of National Defence for the duration of the present war. These institutions were as follows:

Ontario Training School for Girls, Galt.

Ontario Agricultural School, Kemptville, omitting the farm section of the Institution and certain other buildings of the School not required by the Department of National Defence.

These groups of buildings, together with the other eleven properties previously loaned for the purposes of the present war, now total thirteen institutions, all, or in part, which have been loaned to the Department of National Defence for the duration of the present war.

The Department's work this year, as previously in connection with the loan of these institutions, has included the preparation of agreements, making recording plans, reports on condition of buildings, surveys, general records, stock taking and preparation of inventories of furnishings and equipment loaned by the Province with the said buildings to the Department of National Defence. Such work has also included the surveying, leasing, remodelling and fitment of temporary premises where such were required by the Province to carry on certain essential parts of the work of the institution affected. The moving and storage of furniture in connection with the vacation of these premises generally by the Province was also dealt with by this Department in co-operation with other Departments having jurisdiction over these Institutions. Further reference has been made later in this report to those Institutions under their own particular subdivision.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

General minor repairs and replacements and minor changes were carried out generally in all the trades, but restricted to a reduced program of expenditure, having regard to present war conditions.

The repairs referred to for this group of buildings included repairs to roofs, to plastering, to windows, to plumbing, heating and electrical systems, to furniture and upholstery and renewal of linoleum. Considerable repainting work was carried out and extra shelving provided.

Apart from the said general minor items, certain work of a special nature was also carried out, as enumerated in the following paragraphs:

Parliament Buildings:

A store room was built in the basement for the Provincial Police and stands were made for A.R.P. equipment. A glass and wood partition was erected in

room No. 191. The lighting conditions of the Ontario Savings Office suite were improved by the installation of more efficient type of electric lighting fixtures in the room adjoining the vault and in the Assistant Director's office. Minor repairs were made to elevators. Glass in greenhouse was repaired.

East Block:

Room 5410 was divided to form two offices for the Ontario Department of Health. Glass and wood partitions were erected in room 5610, Department of Registrar General, rooms 5410, 5508 and 5512, Department of Health, and 5631 Industrial Hygiene section. A basin was installed in X-ray Clinic. Considerable alterations were made for the Department of Lands and Forests reorganization, including two tile partitions built in room 2502; new counter and register desk and rail in room 2522; a new acoustic ceiling in room 2506-08 and the cutting for and changing of various doors. A new dark room was installed for X-ray section in the basement of the south wing and Registrar General's storage space, which it displaced, was provided by partitioning a section from the basement storage space of the Department of Health. The Archives vault in the basement was divided in two to provide a new file room for the Welfare Department and the old basement fyingling space fitted up for the cheque machines which were removed from the fifth floor. Considerable work was done for the Department of Health X-ray division in making up lead shields, lead boxes and other special equipment requested. Considerable work was also done for the Department of Health Laboratory Division in making and fitting up special equipment. Progress repairs were made to elevators. New baffles were installed in boilers numbers 1, 2, and 3 and rivetted seams of number 1 boiler repaired. General repairs were made to stokers on numbers 1, 2 and 3 boilers, including renewal of sliding bottoms. New piston rings were installed on numbers 1 and 2 vacuum pumps and the pump impeller shaft repaired and motor couplings refaced on the return pump. Repairs were also made to brine pump and to ash hoist.

Subsidiary Buildings:

General repairs of an urgent nature in various trade branches were carried out in the following buildings, numbers 11, 15 and 39 Queen's Park, number 11 College Street, number 454 University Avenue (Liquor Control Board), number 807 Richmond Street West (Sewage laboratory), Department of Highway's garage, Leaside, and Department of Highway's and police garage, Surrey Place.

In addition to the above general repairs to subsidiary buildings, the following special work was done:

Laboratory Annex for Dept. of Health:

Plans were made to show the internal layout required by the Department of Health to use the Beverley Jones Cottage at the Old Victoria Industrial School Mimico, for Serology Laboratory purposes, to give the additional space required for this class of work, the scope of which required to be considerably enlarged to cope with the requirements of the Department of National Defence. The work of remodelling and fitting the two storey and basement building for the purpose of the said laboratory was put in hand and completed during the fiscal year, including the building of two new animal houses for guinea pigs, mice and sheep which were required in connection with the work to be done at this new laboratory. The materials were purchased by the Department and work done on a day labour basis, using staff mechanics from the Parliament Buildings.

Duplex Residence (Old Victoria Industrial School Premises):

Minor repairs were made this fiscal year to the ground floor apartment of the duplex residence on the Old Victoria Industrial School premises, including the installation of new linoleum in the rear wing and new wallpaper in the two front rooms.

Osgoode Hall:

A restricted program of general repairs was carried out in the various building trade branches as approved, including repairs to stokers, carpenter and plaster repairs, plumbing and heating and electrical repairs, linoleum and furniture repairs and progress interior painting and decorating.

EDUCATIONAL BUILDINGS

Normal and Model Schools, Toronto:

As noted in my previous annual report for fiscal year 1941-1942, these premises were loaned by the Province to the Department of National Defence, for R.C.A.F. purposes during the present war and the Dominion's occupancy commenced as of July 10th, 1941.

The temporary premises for this school, known as the Earl Kitchener School, Pape Avenue, Toronto, are still held on lease by the Province from the Toronto Board of Education for normal school purposes. Minimum progress repairs were carried out by the Province during this fiscal year at the said Earl Kitchener School.

Normal and Model Schools, Ottawa:

As noted in my previous annual report for fiscal year 1941-42, these premises were loaned by the Province to the Dominion Government as of November 1st, 1939, and the normal school classes were accommodated, temporarily, in the Elgin Street Public School, Ottawa, which was leased by the Province from the Ottawa Board of Education. To accommodate a request of the Department of National Defence, the Normal School was afterwards moved from the said Elgin Street School to Mutchmor School, which opened for this purpose on September 22nd, 1942.

The alterations and fitments for the Mutchmor School Building were carried out, at the request of the Ontario Department of Education, by the Ottawa Public School Board with the understanding that they would be reimbursed by the Province of Ontario.

London Normal School:

Minor repairs were made to plumbing and heating systems and a small amount of painting was done, including flag pole.

Hamilton Normal School:

Minor repairs were made to plumbing and heating systems.

North Bay Normal School:

Temporary repairs were made to roof.

Peterborough Normal School:

Minor repairs were made to plumbing and heating systems.

Stratford Normal School:

Minor repairs were made to plumbing and heating systems.

Ontario School for Deaf, Belleville:

As noted in my previous annual report for fiscal year 1941-1942, these premises, omitting the farm division and one workshop building and Bursar's residence, were loaned by the Province to the Department of National Defence for R.C.A.F. purposes and the Dominion occupancy commenced as of July 10th, 1941.

A program of general repairs was carried on during this fiscal year in connection with the following premises, which were leased in the previous year by the Province for the temporary purposes of the Ontario School for the Deaf:

The Battery Building
St. Thomas Anglican Church Rectory
St. Thomas Anglican Church Parish Hall
Rankin House
Clare House
Lazier House
Mouck House
Bridge Street United Church (3 class rooms in basement)
Conner House

During this fiscal year a residence of the Bull estate was leased and altered and fitted for temporary residence purposes, at the request of the Ontario Department of Education. A fire escape was erected on the temporary building referred to as the "Clare House." The litter carrier at the cow barn was repaired. Plans were prepared for a temporary type school building to be erected on the property of the St. Thomas Anglican Church.

Ontario School for Blind, Brantford:

Minor repairs were made to plumbing and heating systems and to roofs.

Ontario Training College for Technical Teachers, Hamilton:

This College is being used by the Dominion Government for various training purposes in connection with the present and post-war requirements. Minor repairs were made to plumbing and heating systems.

CONSULTATION WORK ON SCHOOLS

At the request of the Department of Education, the following consulting and other services were rendered:

- A. Plans and specifications for proposed Sunnylea School at Etobicoke were examined and reported upon.
- B. Ventilation of basement class room in Smooth Rock Falls Continuation School was reported upon.
- C. Oakland Public School supplied with photostatic print of typical one room type school.
- D. School building SS No. 8 Morris was examined and reported upon.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph:

As noted in my previous annual report for fiscal year 1941-42, the major portion of the College group proper at this College was loaned to the Department of National Defence for R.C.A.F. purposes and their occupancy commenced as of May 1st, 1941. The buildings still remaining to the use of the Dominion are as follows:

Watson Hall
Garage
Macdonald Institute
Macdonald Hall
Main dining room and kitchen building
Mills Hall

Maids' Dormitory Building
Trent Institute
Administration building and students' residence
Gymnasium
Memorial Hall
Skating rink
Mechanics' building (except blacksmith instruction shop)
Bursar's Hall
Laundry Building
Engineer's house and garage
Plumber's house

The College work is carried on in the buildings still remaining to the use of the College, which also includes the whole of the farm and the farm buildings.

The main cattle barn and bull barn were both destroyed by fire on March 20th, 1942. Following this fire, plans were prepared and the work of replacing these barns was carried on by day labour and the Province purchased the materials. Inmate labour, and their supervisors, from the Ontario Reformatory, Guelph, were loaned by the Department of the Provincial Secretary and used for the rebuilding of the bull barn referred to. Repairs were made to farm fence at the cattle barn referred to above.

Repairs were made to the roofs of the Massey Library and the Field Husbandry Building, the Poultry Building and the Dairy and Chemistry Buildings.

A new 8" cast iron water pipe line was installed between the existing water reservoir and the Power House, so that, in the event of fire, and to supplement the water storage in the existing elevated tank, the reservoir water would flow by gravity to the fire pump. An overflow line from the reservoir was also installed to provide for the necessary circulation of water to prevent stagnation of the reservoir water. The digging and back filling for this job was carried out by the inmates and their guards, loaned by the Ontario Reformatory at Guelph. The pipe work was carried out by the College Engineer and staff, assisted by temporarily employed mechanics. The frozen surface crust of the ground required to be broken by compressor operated drills, which were rented from the Ontario Department of Highways.

A public lavatory was built in the basement of the Massey Library. An insecticide laboratory was built in the basement of the Biology Building.

Ontario Veterinary College, Guelph:

The new Bangs Disease Testing Laboratory was finished, the electric wiring and fixtures installed for the work benches. The sidewalks and grading were done by the College.

Ontario Agricultural School, Kemptville:

Revised drawings were prepared for the erection of a Seed Cleaning Plant, but the erection of the building was deferred.

The balance of the cow barn and horse stable roofs were re-shingled with asphalt shingles. Part of this work had been done in previous years.

As referred to previously in this report, the major portion of the buildings of this School were loaned to the Department of National Defence for use as a "Canadian Army School of Administration" for the duration of the present war and their occupancy commenced as of November 6th, 1942. The buildings loaned, as referred to, were:

Administration building, including central heating plant
Students' residence
Mechanics building
Judging pavilion
Three staff residences.

Certain portions of the above buildings were retained for storage purposes, etc., by the Province, namely the attic of the Administration Building and the loft of the garage at the rear of Mr. Parrish's house were used as storage space for the Province and part of the basement of the Judging Pavilion was retained for the use of the Province as a chicken hatchery. The farm, farm buildings, farm residences, greenhouse, Principal's residence and the new Dairy Building were retained by the Province to carry on the work of the Agricultural School.

A hatchway was cut in the ceiling of the upper floor of the Administration Building to give access to the attic space for storage purposes.

The basements of the Parrish and Fraser Houses were improved by laying concrete floors, covering the ceilings over furnaces with Gyproc and plaster, reinforcing defective ceiling joist and changing the heating pipes and covering such pipes with asbestos.

Fusible plugs were installed in the two steam boilers in the Main Building and feed water lines and valves to these boilers were re-arranged and new regulating valves installed.

Western Experimental Station, Ridgetown:

Minor repairs were made to drains.

Demonstration Farm, New Liskeard:

Minor repairs were carried out to farm buildings and residences, including partial painting of residences.

Repairs were made to furnace in Superintendent's residence.

The Getty house was remodelled completely and put on new concrete foundations.

Horticultural Experimental Station, Vinelands:

Defective fire hose was replaced.

The glass work on roofs and side walls of two greenhouses and passageway between, was removed, the wood frame repaired and painted and the whole re-glazed.

Minor repairs were made to plumbing and heating systems.

DISTRICT BUILDINGS

The work done in connection with these district buildings was kept to a minimum and generally, the only work items carried out were those of a particularly urgent nature, as described in the following subdivisions:

Algoma:

At the Court House, Sault Ste. Marie, defective plaster ceilings in the main hall, on the ground floor, and in the office of the Agricultural Department were replaced. Repairs were made to the return pump on the vacuum heating system and a new motor was purchased for the Gaol in Sault Ste. Marie. Minor repairs were made to the heating system.

The Registry Office at Sault Ste. Marie is still being used by the Red Cross.

Cochrane:

At the Court House, the boiler brickwork was repaired and boiler mountings re-gasketed.

At the Lock-up and office building, Matheson, minor repairs were made to plumbing and heating systems.

Kenora:

At the Court House, general progress repairs were made.

At the Gaol, some new grates were purchased for the two heating boilers. Paint was supplied for the interior painting of this building, the work to be done by the inmates.

At the Government Building, Sioux Lookout, the ground floor offices were repainted and the top floor offices were also repainted in connection with a rearrangement of the occupancy of this section, and effective as of May 1st, 1943, the Department of Lands and Forests will occupy three offices, instead of one as previously. The Hydro will occupy one rear office, previously used by the Red Cross representative, who was requested to get other premises as of May 1st, 1943.

Manitoulin:

Included with the minor repairs, a pressure water supply was installed to the heating boiler in the Court House at Gore Bay and heating radiator was installed in the shower bathroom in the Gaol.

Muskoka:

At the Court House, Bracebridge, additional to minor repairs, a new set of grates were provided for the hot water heating boiler.

At the Registry Office, Bracebridge, the smoke pipe for the heating boiler was renovated and a cleanout "T" installed.

At the Gaol, Bracebridge, minor repairs were made to roof and brickwork and the smoke pipe on the heating boiler was renewed and the ceiling over, protected. A new No. 61½ round hot water boiler was purchased to install during the next fiscal year, to replace the present obsolete unit. Wallpaper was put in the Gaoler's quarters.

Nipissing:

The Court House at North Bay, including unused space formerly occupied as a Gaol, was, for the most part, altered and renovated throughout to provide space for local departmental offices, which were located in leased premises at scattered points in North Bay. The departmental offices accommodated, as a result of this work, were as follows: Department of Lands and Forests, Game and Fisheries, Agriculture, and Welfare.

Suitable rooms were also provided for the Magistrate, barristers and witnesses and the lavatory accommodation for the staff and public was remodelled and increased, as required.

The alteration work referred to extended and improved the general facilities for the public and Judiciary in connection with the work of the Courts.

In connection with the above alterations, temporary repairs were made to the old Court House boiler to carry over the winter season and a new boiler was ordered, so that the installation could be made during the summer of the next fiscal year.

In the Gaol at North Bay, minor repairs were made to the heating system.

Parry Sound:

Minor repairs were made to Court House, Registry Office and Gaol. A new domestic hot water boiler and coil heater was installed at the Lock-up, Burk's Falls.

Rainy River:

At the Court House, Fort Frances, minor repairs were made, including repairs to the heating system and new grates were installed in numbers 1 and 2 boilers. On the second floor of this building, alterations were made to accommodate the Department of Lands and Forests in space formerly occupied by the School Inspector, who was moved to available space on the ground floor.

At the old Registry Office (Provincial Police Lock-up) new grates were purchased for the heating boiler.

At the Gaol, repairs and replacements were made to radiator valves, new discs and handles and packing were supplied.

Sudbury:

General routine repairs were carried out at the Court House and Gaol, Sudbury. At the Court House, the walls and ceilings of the west corridor of the first floor were replastered. Plumbing repairs and repairs to heating plant were made.

At the Gaol, the return piping on the heating system was rearranged to dispense with pump and operate by gravity. Minor repairs were made to the water piping. The old flat key prison locks were replaced with new locks with fluted keys for the corridors and exit doors. A coal heater and thermometer were purchased for the root house. Paint was purchased for interior work, to be applied by the inmates.

Temiskaming:

General routine repairs were carried out at all the buildings in this district, including:

Court House, Haileybury, where repairs were made to two heating boilers and new grate bars supplied for each.

At the Registry Office, Haileybury, minor repairs were made to heating return system.

At the Gaol, Haileybury, repairs were made to jacket heater.

At the Mining Recorder's office, Swastika, additional valves were installed on the heating system.

At the Lock-up at Englehart, new grates were supplied for hot water heating boiler and smoke pipe renewed.

At the Lock-up, Elk Lake, new grates were supplied for boiler and mountings repaired.

At the office building, New Liskeard, repairs were made to heating system and new boiler section installed; general repairs were made, including redecoration of inside walls and ceilings and laying some linoleum.

Thunder Bay:

General routine repairs were carried out at practically all the buildings in this district, including the purchase of paint and heating repairs for Gaol, Port

Arthur, as well as installation of fan for clothes drying, repairs to boiler mountings, welding repairs to heating boiler and a new water supply pipe installed for the Gaoler's house at Port Arthur.

Repairs were also made to the electric domestic hot water heater at the Geraldton Lock-up.

ONTARIO HOSPITALS

Ontario Hospital, Brockville:

Repairs were made to roof over laundry. A new felt and gravel roof was laid over the four entrance stair projections of Main Building. Slate roof repairs were made to Main Building, Nurses' Residence and Cottages. The roadways from Highway number 2 to the Main Building were repaired and re-surfaced.

Ontario Hospital, Brampton:

A bull shed and fencing was erected at the south barn. The Department purchased the materials and employed part of the labour; the balance of the labour was provided by the Department of Health.

The new Administration Building and a major portion of the lands of this Institution, as noted in last year's annual report, are still on loan to the Department of National Defence for Army Training purposes. The remainder of the lands and farm buildings are used and operated by the Department of Health for farming purposes.

Ontario Hospital, Cobourg:

Plans were prepared for two sets of exit stairs from the Assembly Hall to replace existing worn out stairs.

Ontario Hospital, Fort William:

Shingles were provided to re-roof the Implement Shed, Horse Stable and two other small buildings. A contract was let for repainting the elevated water tank.

Ontario Hospital, Hamilton:

Alterations were made to the main switchboard system in the Power House, including installation of new circuit breaker and the re-calibrating of the graphic kilowatt meter.

A small fire occurred in Orchard House, between the joist at the steam pipe feed to one of the radiators. Repairs were made at this point and at similar steam pipes on the same floor.

Repairs were made to the roofs and gutters of the Main Building, Reservoir, Orchard House, Assembly Hall, Fire Hall and Hickory Farm Buildings.

The Department supplied the materials and the Hospital staff did the work of re-roofing the patients' cottage at Hickory Farm. A new roof was laid on a portion of the piggery at the main farm.

The chimney of the main power house was repaired, including brickwork and lightning rod system. Plans were prepared for new implement shed.

A fire occurred on October 4th, 1942, at Hickory Farm and burned out the cow barn and horse stable building and the implement shed and chicken slaughter house. The woodwork on the silo was burned out. The stone foundation walls of these buildings were left standing, but will require considerable repairs and rebuilding if they are to be reused.

Ontario Hospital, Kingston:

Repairs were made to a portion of the copper cornice and gutters on the Main Building and to the roof flashings on the Laundry. A new roof was laid over the Industrial Building. The Hospital staff performed the work and this Department supplied the material to re-roof the main garage and to repair portions of the roofs at the Mowat Annex.

A contract was let to repaint the steel elevated water tank at Newcourt, the materials being supplied by this Department.

Drawings were made to fireproof the stair in the stores building.

Ontario Hospital, Langstaff and Concord:

The piggery at Langstaff was renovated, including insulation of walls, building new pens and laying concrete floor. The work was done by the patient labour at the Hospital and materials were supplied by this Department.

This Department supplied the materials and part of the labour for the erection of an additional root house, and also for the replacement of an existing five door garage at Langstaff.

Linoleum was laid in the general office at Langstaff.

One H20 hot water heater was purchased and installed in the laundry clothes drier, to replace the old No. 16 Gothic heater, at Langstaff.

At Concord, the pump cylinder was removed and reconditioned; the sand baled out and the cylinder shaft shortened. The standby pump was put into operation in the interval and a chlorinator was rented temporarily by the Department of Health therefor.

Ontario Hospital, London:

Repairs were made to the roofs of sundry buildings, including slate roofs of the main building and the Assembly Hall. This Department supplied the material for and the Hospital staff did the work of replacing about half of the flat roof over the boiler house.

Steam boilers numbers 5 and 6 at the power house were reset and relined and the steam header stop valves and non-return valves overhauled.

Repairs were made to the circulating pipe at the elevated water storage tank.

It is to be noted that a portion of this Hospital's lands are still on loan to the Department of National Defence.

Ontario Hospital, New Toronto:

The four brick chimneys on the Assembly Hall were taken down to the roof and the slate roofs repaired.

Plastering repairs were made in the Superintendent's residence, Administration Building and staff electrician's house.

One extractor motor from the laundry was re-wound and a new transformer and starter supplied in connection therewith.

Roofs were replaced on the electrician's and engineer's houses on 18th Street.

Arrangements were made to check up the whole rain water outfall system and the walls of the manhole on this system at Government Road were increased in height.

Ontario Hospital, Orillia:

Plans were prepared and the work started for the building of a new dormitory building for farm patients to replace the quarters previously rented and known as the Dunn Farm. The work was done by the staff and patients of the Hospital, augmented by a small portion of outside paid labour. This Department purchased the materials.

A contract was let to the R. A. Blyth Company for crossing under the highway with a 48" concrete pipe to carry steam water and other services from an existing hospital building to the new building for farm patients.

General repairs were made to slate roofs on all buildings and eavestrough repairs and replacements were made on three units of the male side of the Hospital.

The work of installing the new general service elevator in the Main building was completed.

Plaster ceiling of one children's dining room was repaired and half of the area replastered.

Repairs were made to the chimney at the power house.

The elevated steel water tower was repainted.

Ontario Hospital, Penetanguishene:

Arrangements were made to insulate the walls and roof of staff residence number 19, using some rock wool insulation from the hospital's stores and purchasing additional material as required. The work was done by the Hospital staff mechanics.

Extensive repairs were made to parapet walls and other brickwork and stonework generally on the existing building for the Criminally Insane.

A working drawing was prepared for a proposed additional piggery, to be erected in the following fiscal year.

Ontario Hospital, Port Arthur:

The new building and a portion of the lands, as stated in the previous year's report, are on loan to the Department of National Defence for the duration of the present war.

Ontario Hospital, 999 Queen Street West, Toronto:

An order was issued to the Canadian National Railway Company to repair the railway siding to the grounds of this Hospital.

Working drawings were prepared and the work completed of installing a new combination passenger and food service elevator in the west wing of the Main Building. A contract was let for the elevator car, machinery and entrances and doors and the balance of the work was done by day labour. This work included removal of the old hydraulic hoist and relocation of one attendant's duty room and the patients' clothing rooms and the installation of a pent house and small stair thereto.

Psychiatric Hospital, Toronto:

General progress repairs were made, as required, to mechanical services.

Ontario Hospital, Whitby:

The staff residences, known as the Willis and Polly Smith houses, were altered to two duplex residences. Plans were prepared, materials purchased by this Department and the work was done, for the most part, by the Hospital. Some

outside paid labour was employed by this Department and a contract was let for the plumbing work. New forced warm air heating systems were installed in these duplex residences.

The hot air furnaces of six staff residences were replaced by new furnaces, purchased by this Department, the installation work being done by the Hospital staff mechanics.

Major repairs were made to tile roofs throughout the Hospital; the work being done on a day labour basis.

The exterior walls around shower rooms at the baths in cottages numbers 8 to 16 inclusive, were overhauled and waterproofed and re-tiled.

The linoleum floors of the two main corridors in each of the male and female pavilions were replaced with terrazzo, the work being done by contract. The tile floors in the kitchen of the dining hall number 2 were replaced.

Working drawings were prepared for a farm office and patients' comfort station for the main farm centre. The work was done by Hospital staff labour and patients and some outside paid labour.

Working drawings were prepared for a slaughter house and for an additional piggery unit.

Ontario Hospital, Woodstock:

A nurses' lavatory was installed in boys' unit, Ward D, the materials being supplied by this Department and the work done by the Hospital staff.

Twenty-three window guards were installed on patients' dining room building in the T.B. Division; also eight window guards were installed in cottages E.F. 5 and 6.

This Department made the plans and supplied the materials for the building of an additional piggery unit. The work was done by the Hospital.

Ontario Hospital, St. Thomas:

As stated in my report of the previous fiscal year, this Institution is now on loan to the Department of National Defence for R.C.A.F. training purposes, except the farm portion, which is under the jurisdiction of the Department of Public Works.

When the land was purchased for this hospital, this Department did not acquire the premises occupied by School section number 17, Yarmouth Township, which had a 200 ft. frontage on the east side of Highway number 4, and was in active use for school purposes. Early in 1942, arrangements were made with the Public School Board of Section 17 of the said Township to exchange their said premises on the east side of the said highway, for a portion of the hospital premises located opposite and on the west side of the highway. An exchange of deeds was made as of April 28th, 1942, to consummate this arrangement.

EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Plans were examined and recommendations forwarded to the Department of Health in connection with proposed alterations or additions to General Hospitals, Red Cross Hospitals, Sanatoria and Private Hospitals and in connection with new projects for such hospitals. Proposals of various kinds were dealt with in connection with the following:

Red Cross Hospital, Atikokan.
Red Cross Hospital, Bancroft.

Red Cross Hospital, Beardmore.
 General Hospital, Bowmanville.
 General and Marine Hospital, Collingwood.
 General Hospital, Cornwall.
 General Hospital, Arnprior.
 Red Cross Hospital, Emo.
 Sanatorium, Fort William.
 Nurses' residence, General Hospital, Hamilton.
 Nurses' residence, General Hospital, Kitchener and Waterloo.
 Civic Hospital, Ottawa.
 Psychiatric Wing, Victoria Hospital, London.
 Nurses' residence, St. Joseph's Hospital, North Bay.
 York County Hospital, Newmarket.
 General Hospital, Parry Sound.
 General Hospital, Sarnia.
 St. Joseph's Hospital, Sarnia.
 Plummer Memorial Hospital, Sault Ste. Marie.
 General Hospital, St. Catharines.
 Memorial Hospital, St. Thomas.
 East General Hospital, Toronto.
 Canadian Mothercraft Society, 49 Clarendon Avenue, Toronto.
 Western Hospital (Examination unit) Toronto.
 Welland County General Hospital, Welland.
 Isolation Hospital, Toronto.
 Mrs. Hall's Private Hospital, Dundas.
 Strathcona Private Hospital, Toronto.
 Allen Private Hospital, 867 College Street, Toronto.
 Fenwood Private Hospital, 626 Church Street, Toronto.
 Mayfair Private Hospital, 432 Sherbourne Street, Toronto.
 Port Perry Private Hospital, Port Perry.
 Polymer Corporation Limited Hospital, Sarnia.
 Abitibi Private Hospital, Smooth Rock Falls.
 Sutton Private Hospital, Sutton West.
 Whitby Private Hospital, Whitby.
 Oakville Private Hospital, Oakville.
 Rogers Private Hospital, London.

ONTARIO REFORMATORIES

Andrew Mercer Reformatory, Toronto:

The floor and foundations of the exercise yard shelter were removed and replaced in concrete. Minor repairs to roof and eavestroughs and conductors were made on the main building. The wooden fence on the east side of the boiler house yard was rebuilt.

Ontario Reformatory, Mimico:

As stated in the report of the previous fiscal year, this Institution is on loan to the Department of National Defence. The farm lands and farm buildings were omitted from the premises loaned to the Dominion, with the exception of certain small portions of the said farm lands, which were, by separate arrangement, loaned to the Dominion for garden purposes. The farm lands and buildings of this Reformatory, as referred to above, together with the premises of the adjoining Old Victoria Industrial School are being operated by the Department of Health.

Industrial Farm, Monteith:

As noted in the report of the previous fiscal year, this Institution is now on loan to the Department of National Defence and the whole premises are under their complete jurisdiction.

ONTARIO TRAINING SCHOOLS

Boys' Training School, Bowmanville:

This Institution is still on loan to the Department of National Defence and the premises known as the "Senkler House" and the "Alexander House," which were previously leased for temporary quarters of the School, are in use at present for this purpose. The alterations and fitment of the temporary premises were carried to completion during the fiscal year.

Girls' Training School, Galt:

An order was issued to the Canadian National Railway Company to repair the siding. This work was completed.

An order was also issued to the Public Utilities Commission at Galt, to repair a manhole on the water system of this School, located on Coronation Boulevard.

This Institution was loaned to the Department of National Defence for use by the women's branch of the Royal Canadian Navy for the duration of the present war and their occupancy commenced as of August 1st, 1942. The McCook premises in Cobourg were leased, altered and fitted to serve as temporary quarters for the Girls' Training School of the Province. The fitment of this residence included alterations and improvements in all trades generally, including the installation of a complete forced warm air heating system, as the residence was originally designed for summer occupation only.

FISH HATCHERIES

Hill's Lake Fish Hatchery:

Minor repairs were made to supply flume. Part of an adjoining farm from which sod was taken the previous year for sodding banks of ponds, was plowed ready for seeding to comply with agreement previously made with the owner in this connection.

ONTARIO HIGHWAYS BUILDINGS

New Buildings:

Working drawings and details were prepared and supervision given by the Department of Public Works, at the request of the Department of Highways, in connection with the building of the following buildings; the work for which was carried on under the direction of and paid for by the said Department of Highways.

- (a) Implement storage shed, Stratford.
- (b) Garage, Bancroft.
- (c) Alterations and additions to building at Rassbery Farm, to be used as a Hamilton Divisional Office.
- (d) Log cabin scale house, Northern Ontario.
- (e) Alterations and additions, electrical service building, Brown's Line.

Sketches Only:

Sketches only were prepared for:

Proposed Garage, Stratford.

Proposed layout Divisional Headquarters, Hamilton.

Proposed layout Divisional Headquarters, Fort Frances.

BOILER INSPECTION

The boiler inspection work of this Department was carried out by the Heating Engineer, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings.

Excluding the plants which have been loaned to the Department of National Defence for their own operations and responsibility in connection with the Institutions loaned for purposes of the present war, the inspection work covered this year under the above heading may be described as follows:

The boilers and boiler equipment and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and materials needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and the Ontario Reformatories, the reports, as referred to, were sent to the Departments of Health and Provincial Secretary respectively, for their attention in the matter of making the repairs recommended.

The recommendations contained in the reports regarding plants in all the other building groups referred to in this section, were attended to by the Department of Public Works.

PROVINCE OF ONTARIO SAVINGS OFFICES

Co-operation was given, in the usual manner, to the Head Office Management in the matter of general routine maintenance and repair work at the branches where such work was requested.

Renewal of expiring leases in connection with branch offices was negotiated and arranged, as required.

Re Branch Office, King Street East, Hamilton:

A fire occurred on January 1st, 1943, in the top floor of the Block in which these Savings Office premises are located and considerable damage was done by water to the Bank premises. The accumulation of water in the basement of the building submerged the stoker motor and put the heating plant out of commission for a time. The Lessors made arrangements to have the necessary renovations and adjustments carried out after the fire.

MISCELLANEOUS

Ontario Government Building, Kingston:

General progress repairs of a minor nature were made. It is to be noted that the following Departments have offices in this building,—Departments of Highways, Agriculture, Health and Public Welfare. The Canadian Red Cross Society (blood donor's clinic) has been given temporary accommodation in a portion of this building.

Air Raid Precaution Work:

In co-operation with various other government departments, the work in connection with the Public Utilities Division of the Civilian Defence Committee (A.R.P.) was continued during this year. Surveys were prepared as required; the preparation of a manual for advanced training was undertaken and a series of conferences and lectures were attended in this connection.

Residence for Mr. Oliva Dionne and family:

The plans and specifications were completed for a residence for Mr. Oliva Dionne and family and delivered to the Dionne Quintuplet Guardianship who called for the tenders and let the contract for the building. The work was well advanced during this fiscal year.

Boiler House and Engine Room, Lignite Development Scheme at Onakawana:

At the request of the Minister of Lands and Forests, lumber lists, working drawings and details were made according to plans previously prepared by others and submitted by the Department of Lands and Forests in connection with this development.

General Laboratory Equipment for Department of Health:

Electrical apparatus was purchased and installed in water baths, hot air ovens and incubators furnished by the Department of Health for their various laboratory centres throughout the Province and outfit boxes were made in the Parliament Buildings carpenter shop for field officers of the Laboratory Division of the Department of Health.

Temiskaming Testing Laboratory, Cobalt, Ont.:

At the request of the Department of Mines and to replace a building previously used for this purpose which was destroyed by fire, the Department of Public Works purchased the old Town Hall of Cobalt and prepared plans and details and proceeded with the work of altering and remodelling this brick building to accommodate a testing plant and sampling mill, as required by the Department of Mines in this District. The building is about 40 ft. wide and 100 ft. long and four storeys in height. The work included the fireproofing of about one half of the building with reinforced concrete floors and columns to suit extra heavy loads, the installation of a chemical laboratory, office and lavatory facilities and a freight elevator to serve all floors. The installation of special crushing, screening, sampling and dust collecting equipment will be included in the complete system of machinery and apparatus required to complete this plant. Part of this equipment will be completed this fiscal year and the balance during the next fiscal year. The existing equipment of the Province will be reused in this building, as far as possible.

Dominion-Provincial Creche:

Premises owned by the Salvation Army at 95 Bellevue Avenue, Toronto, were leased by the Province and altered and fitted to serve as a Creche for the care of war workers' children.

Fair for Britain:

Co-operation was given to other Departments in the matter of contributing to the completion of exhibits for this Fair. Materials were purchased and some staff mechanics from the Parliament Buildings were used to carry out the work requested.

Typical Dormitory Buildings for Farm Service Force:

At the request of the Department of Agriculture, working drawings were prepared for two typical dormitory buildings to be erected and used in connection with a general farm service force scheme.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Chief Architect.

Toronto, March 31st, 1943.

REPORT OF THE ENGINEER

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings, Toronto.

SIR:

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1942, to March 31, 1943.

All the work was done by day labour under local foremen, employing local men and using local material wherever possible.

The usual maintenance of locks, dams, docks and navigable channels was carried out. One new concrete dam was built and one old timber dam remodeled. Drainage work was done in seven districts and aid given to one municipal drain under the Provincial Aid to Drainage Act.

Maintenance work was as follows:

Dollars Dams:

The north dam was leaking badly in several places and these leaks were stopped by sheeting and gravelling. The decks of both dams were repaired and the dams put in proper working order.

Huntsville Locks:

One of the gates in these locks could not be opened as the main post had become decayed. The gate was taken out and the decayed timber replaced with new timber. Other minor repairs were made to the locks to put them in proper working order.

Port Carling Locks:

The dock on the north side of the locks was rebuilt in timber from the swing bridge to the west end of the dock. Repairs were made to the gates, the swing bridge and the shelter house.

Repairs were also made to the following dams: Bala Dam, Tea Lake Dam, Joe Lake Dam, Ragged Lake Dam, Tasso Lake Dam, and Paudash Lake Dam.

All buoys in the Muskoka Lakes taken out by the spring floods were replaced and the boat channels kept clear of obstructions.

STORAGE DAMS

Pickereel River Dam:

On the upper section of the Pickereel River there is a series of five lakes which are excellent for fishing and tourist purposes and on which there are considerable lumbering operations. The fire rangers use this chain of lakes to transport their equipment in putting out fires. There is only one road to this waterway and it leads to the upper end of the route. To get to the lower lake three portages had to be made, one of which was about a mile long in low water.

This dam was built at the outlet of the lower lake to raise the water so that navigation for motor launches was made possible throughout the chain of lakes for a distance of about fifteen miles.

The dam is one hundred feet long and fifteen feet high. It was built of stone laid in concrete mortar. It has two sluiceways each fifteen feet wide provided with stop logs to control the level of the lakes. It rests on solid rock foundation.

The dam has been of great benefit to the tourists, the lumbermen and the fire rangers.

Deer Lake Dam:

This dam holds the water up on Deer Lake to provide navigation on the lake and the Magnetawan River for tourists. It was originally built for lumbering purposes.

It is a timber dam and was provided with three sluiceways each twenty feet wide for log driving purposes. The top part of the dam had become badly decayed and was unsafe. As there are no longer lumbering operations on the lake, it was decided to take off the upper part of the dam, leaving it just high enough to hold the lake at the proper level, and making it into a tumbling dam. The lower part of the dam was fairly sound and will stand for several years.

MUNICIPAL DRAINAGE

Municipal Drainage was carried out in the following districts: Victoria and Haliburton, Nipissing, Parry Sound, Muskoka, Peterborough, North and South Renfrew, and Temiskaming.

The work in Temiskaming District consisted of cutting a new channel from Moose Creek to the Blanche River. This channel takes the flood water of Moose Creek direct to the Blanche River, whereas it formerly followed the old, crooked creek bed for a distance of seven or eight miles before entering the Blanche River and flooded a large area of land and roads in Hilliard, Harley and Casey Townships. The new channel cut was 3,300 feet long, 4 to 5 feet deep and 20 feet wide at the bottom. It has proven a great relief to the lands and roads in these townships.

The work in the other districts consisted mainly of road drainage.

PROVINCIAL AID TO DRAINAGE

Holland Marsh Drainage Scheme:

This is a pumping drainage scheme in which about seven thousand acres of low-lying marsh land in the Townships of West Gwillimbury and King and the Village of Bradford is drained by pumping the water over the embankment which surrounds the marsh. The old channel of the Holland River which serves as a drain to carry the water to the pumps had become filled with sediment at the upper end so that it would not drain the upper half of the marsh.

The repairs to the scheme were made by the Township of West Gwillimbury under the provisions of the Municipal Drainage Act, in accordance with report, plans and specifications prepared by Mr. G. A. McCubbin and Mr. W. G. McGeorge, Civil Engineers, of Chatham, Ontario.

The work consisted of the dredging of the upper end of the channel for a distance of four-and-one-half miles. The dredge cut was twenty feet wide at the bottom with side slopes of one to one and averaged about three-and-one-half feet in depth. The embankments surrounding the marsh had settled in several places, endangering the marsh during flood times. These embankments were raised by filling with earth to make them safe against overflowing. Some repairs were also made to the two pumps which had become worn.

The final cost of the work as certified to by the treasurer of the township was \$16,551.93.

The work was examined and found to be completed satisfactorily and on report a grant of \$3,310.38, being twenty per cent. of the cost of the work, was paid to the Township of West Gwillimbury in accordance with the Provincial Aid to Drainage Act.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER,

Engineer of Public Works.

Toronto, March 31st, 1943

STATEMENTS
of the
ACCOUNTANT
of
Public Works Department
1942-1943

Department of Public Works, Ontario.
TORONTO, March 31st, 1943.

HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works, Ontario.

SIR:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Public Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1943.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Secretary and Accountant.

SUMMARY OF EXPENDITURE
FOR FISCAL YEAR APRIL 1st, 1942 to MARCH 31st, 1943'

Service	Ordinary	Capital	TOTAL
Main Office—Administration expenses, etc.....	\$122,710.16		\$ 122,710.16
Maintenance and repairs—Government Buildings...	611,102.31		611,102.31
Public Works—Maintenance.....	10,694.06		10,694.06
Public Buildings.....		\$177,051.07	177,051.07
Public Works.....		136,308.85	136,308.85
Statutory—Drainage Aid.....		3,389.11	3,389.11
Special Warrant.....	17,111.24		17,111.24
TOTAL NET EXPENDITURE.....	\$761,617.77	\$316,749.03	\$1,078,366.80

STATEMENT OF REVENUE

Commissions on telegraphs and telephones.....	\$ 2,656.10		\$ 2,656.10
Sale of material.....	1,994.41		1,994.41
Sale of produce and stock.....	36,712.32		36,712.32
Rentals.....	29,182.82		29,182.82
Perquisites.....	2,232.00		2,232.00
Building equipment.....	192.70		192.70
Interest—Sale of property.....	41.25		41.25
Miscellaneous.....	65.63		65.63
Payments by Dominion Government re leasing of Provincial Buildings for war purposes— Normal School, Toronto.....	\$13,000.00		
Boys' Training School, Bowmanville.....	15,000.00		
Ontario School for the Deaf, Belleville.....	35,000.00		
	63,000.00		63,000.00
Payment by Dominion Government of fire insurance premiums paid re Boys' Training School, Bowman- ville.....	15,603.22		15,603.22
Sale of property.....		\$ 413.50	413.50
	\$151,680.45	\$ 413.50	\$ 152,093.95

S. WOOD,

Secretary and Accountant.

TORONTO, March 31st, 1943.

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st, 1943

ORDINARY

MAIN OFFICE:

Service	Amount	Amount
Salaries—Permanent.....	\$ 59,071.91	
Temporary.....	1,200.00	
Travelling expenses.....	862.51	
Maintenance.....	3,588.16	
Local Improvement Taxes.....	348.91	
Compensation, medical, hospital and other accounts for workmen injured in Government work as awarded by The Workmen's Com- pensation Board, including proportion of administration expenses	3,567.22	
Cost of living bonus—entire Department.....	53,565.76	
Unemployment Insurance stamps.....	505.69	
		\$122,710.16

GENERAL SUPERINTENDENCE:

Salaries—Permanent.....	\$ 9,850.00	
Temporary.....	1,350.00	
Services, travelling and other expenses.....	4,383.77	
		\$ 15,583.77

LIEUTENANT-GOVERNOR'S APARTMENT:

Salaries.....	\$ 3,236.64	
Maintenance.....	579.16	
		\$ 3,815.80

LEGISLATIVE AND DEPARTMENTAL BUILDINGS:

Administrative Services—		
Salaries—Permanent.....	\$ 17,175.00	
Temporary.....	5,155.42	
Telephone service.....	40,786.91	
Typewriter inspection and repairs.....	3,191.75	
Maintenance Staff—		
Salaries—Permanent.....	66,091.61	
Temporary.....	119,261.68	
Casual.....	22,314.72	
Maintenance—		
Fuel, light, gas, water and power.....	70,742.04	
Cleaning supplies, upkeep of grounds.....	13,011.78	
Furniture, furnishings and equipment for buildings.....	1,787.33	
Mechanical Staff—		
Salaries—Permanent.....	7,396.24	
Repairs and alterations.....	50,797.47	
	\$417,711.95	
Deduct Rentals.....	3,000.00	
		\$414,711.95

OSGOODE HALL:

Salaries—Permanent.....	\$ 12,242.25	
Temporary.....	9,556.55	
Casual.....	336.49	
Maintenance—		
Fuel, light, water and power.....	4,938.73	
Furniture, furnishings and equipment.....	309.94	
Telephone service.....	2,800.08	
Cleaning of buildings and incidentals.....	752.92	
General repairs and alterations.....	5,514.61	
		\$ 36,451.57

EDUCATIONAL BUILDINGS:

Repairs and incidentals—		
Toronto Normal and Model Schools.....	\$ 24.93	
Ottawa Normal and Model Schools.....	19.30	
London Normal School.....	304.66	
Hamilton Normal School.....	25.42	
Stratford Normal School.....	113.41	
North Bay Normal School.....	39.82	
School for the Deaf, Belleville.....	206.10	
School for the Blind, Brantford.....	340.73	
Ontario Training School for Technical Teachers, Hamilton.....	192.51	
General—To provide for repairs, installation of boilers and heating plants in buildings and fire protection.....	563.26	
		\$ 1,830.14

AGRICULTURAL BUILDINGS:

Repairs and incidentals—

Ontario Agricultural College, Guelph.....	\$ 2,314.01	
Ontario Veterinary College, Guelph.....	61.96	
Horticultural Experiment Station, Vineland.....	827.11	
Agricultural School, Kemptville.....	500.00	
New Liskeard Demonstration Farm.....	2,105.97	
General—To provide for repairs, installation of boilers and heating plants in Agricultural Buildings and fire protection.....	355.16	
		\$ 6,164.21

TRAINING SCHOOLS:

Repairs and incidentals—

Ontario Training School for Boys, Bowmanville.....	\$ 7.59	
Ontario Training School for Girls, Galt.....	269.41	
		\$ 277.00

DISTRICT BUILDINGS:

Repairs and alterations, furniture and furnishings and improvements to grounds for all District buildings—

Algoma.....	\$ 850.88	
Cochrane.....	255.92	
Kenora.....	677.63	
Manitoulin.....	12.23	
Muskoka.....	154.80	
Nipissing.....	3,094.99	
Parry Sound.....	152.38	
Rainy River.....	247.13	
Sudbury.....	1,248.04	
Temiskaming.....	1,244.24	
Thunder Bay.....	937.71	
General—To provide for repairs, installation of boilers and heating plants in Districts and fire protection.....	2,522.98	
Salary of Caretaker, Temiskaming.....	825.00	
Government Building, Matheson—Maintenance.....	529.56	
		\$ 12,753.49

ONTARIO HOSPITALS:

Repairs and incidentals—

Brockville.....	\$ 1,173.10	
Hamilton.....	1,558.63	
Kingston.....	3,310.84	
London.....	3,857.23	
New Toronto.....	429.50	
Orillia.....	4,813.12	
Penetanguishene.....	894.29	
Toronto.....	71.68	
Psychiatric, Toronto.....	398.67	
Whitby.....	12,201.93	
Woodstock.....	431.21	
Fort William.....	809.80	
Concord.....	12.93	
Contingencies.....	7.65	
		\$ 29,970.58

ST. THOMAS:

To provide for expenses in connection with the leasing of Hospital to the Dominion Government for the purposes of National Defence (recurring charges recoverable from the Dominion Government, in accordance with Agreement)..... \$ 145.00

Farm operating expenses—

Salaries.....	\$ 5,040.00	
Expenses.....	18,465.84	
		\$ 23,505.84
		\$ 23,650.84

PUBLIC WORKS:

Maintenance—	
Salaries (Lockmasters, Supervising Foremen, etc.).....	\$ 4,960.18
Repairs to locks, dams, etc.....	4,672.32
Equipment.....	100.20
Maintenance of Hawkesbury-Grenville Bridge.....	961.36
	<u>\$ 10,694.06</u>

ONTARIO GOVERNMENT OFFICE BUILDING, KINGSTON:

Maintenance—	
Salary of Caretaker.....	\$ 1,299.96
Cleaning supplies, fuel, electricity, water, repairs and incidentals	2,527.17
	<u>\$ 3,827.13</u>

MISCELLANEOUS:

To provide for the costs of moving patients, inmates and staffs of Provincial Institutions leased to the Dominion Government for war purposes, including repairs and alterations to buildings and all expenses in connection with providing quarters during the terms of the Agreement (lump sum payments received from Dominion as per agreements, deposited as revenue).....	\$ 62,065.83
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SPECIAL WARRANT:

Purchase and installation of Laboratory equipment, including the necessary alterations to convert the Beverley Jones Cottage on the site previously used by the Industrial School, Mimico, into a Laboratory for the Health Department.....	\$ 17,111.24
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TOTAL ORDINARY EXPENDITURE.....	<u>\$761,617.77</u>
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CAPITAL

OSGOODE HALL:

To provide for a refund to the Law Society of Upper Canada to adjust the Capital Cost of new boilers installed at Osgoode Hall in 1938-1939, in accordance with Agreement.....	\$ 761.83
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ONTARIO HOSPITALS:

Additions, alterations, equipment and fireproofing.....	19,379.22
---	-----------

DISTRICT BUILDINGS:

Purchase of property and alterations to buildings, to provide accommodation for testing laboratory for the Department of Mines, Ontario, including purchase and installation of additional equipment and expenses in connection therewith.....	\$ 84,908.45
To provide for construction of works and buildings, alterations and fireproofing and expenses in connection therewith.....	19,735.01
	<u>104,643.46</u>

FISH HATCHERIES:

Construction and alterations to Fish Hatcheries.....	46.55
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AGRICULTURAL BUILDINGS:

Construction of a Bangs disease Testing Laboratory Building, Ontario Veterinary College, Guelph.....	15,735.05
Alterations to farm house, Demonstration Farm, New Liskeard...	2,996.13
Construction of works, Ontario Agricultural College, Guelph, and expenses in connection therewith.....	33,488.83
	<u>52,220.01</u>

PUBLIC WORKS:

Municipal Drainage.....	5,367.39	
Storage Dams and Docks.....	6,615.44	
Grants—		
Grant by the Province of Ontario towards the cost of the Grand River Conservation Scheme, on the basis of 37½% of actual cost.....	124,326.02	136,308.85

STATUTORY:

Drainage Aid.....	3,389.11	
TOTAL CAPITAL EXPENDITURE.....	<u>\$316,749.03</u>	

SUMMARY

ORDINARY EXPENDITURE:

Main Office and Maintenance and Repairs of Government Buildings.....	\$ 761,617.77
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CAPITAL EXPENDITURE:

Public Buildings and Public Works.....	316,749.03
	<u>\$1,078,366.80</u>

S. WOOD,

Secretary and Accountant.

Department of Public Works, Ontario.
TORONTO, March 31st, 1943.

REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1944

1943/44

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

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1945

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REPORT

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SESSIONAL PAPER No. 8—1945



TORONTO

Printed and Published by T. E. BOWMAN, Printer to the King's Most Excellent Majesty
1945

To:

THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant, for the twelve months ending the 31st of March, 1944.

Respectfully submitted,

GEO. H. DOUCETT,
Minister of Public Works.

Department of Public Works, Ontario,
Toronto, March 9, 1945.

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings.
Toronto, Ontario.

SIR:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Accountant, for the financial year, April 1, 1943 to March 31, 1944. These reports cover a wide variety of repair and construction work in all parts of the Province. Every effort has been made to keep present equipment operating, to avoid replacement during wartime.

ARCHITECT'S BRANCH

The Dominion has continued occupancy of the Provincial Buildings leased to the Department of National Defence for war purposes, with the exception of the Ontario Hospital at Port Arthur, which was returned to the Province in February, 1944. Additional land adjoining the site of the Ontario Hospital, Orillia, was purchased and the construction commenced for the erection of a group of buildings to accommodate 300 patients.

In addition to the regular work of the Department, a considerable amount of services have been rendered for preparing plans, making reports, and giving technical advice to assist other departments with various projects.

ENGINEER'S BRANCH

In the Northern Districts, all necessary repairs to locks and dams were carried out, the work being done by day labour.

A grant was made to the Town of Thessalon towards the cost of a dam on the Little Thessalon River.

Work was commenced on the Dollar's Dam on the Pickerel River and the Macdiarmid Dock on Lake Nipigon was renewed.

SECRETARY AND ACCOUNTANT'S BRANCH

Contracts were awarded for the excavation and general trades for the new Patients' Buildings at the Ontario Hospital, Orillia.

The revenue received totalled \$57,838.03, chiefly in connection with rentals of various properties.

Expenditures are summarized, as follows:

Main Office	\$ 145,915 .98
Maintenance and Repairs—Government Buildings . . .	622,320 .99
Total Ordinary	<u>\$ 768,236 .97</u>

CAPITAL

Public Buildings and Public Works,	\$ 139,815 .08
Total Net Expenditure	<u>\$ 908,052 .05</u>

I have the honour to be, Sir,

Your obedient servant,

R. A. McALLISTER,
Deputy Minister of Public Works

TORONTO, March 9, 1945.

REPORT OF THE ARCHITECT

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works.

SIR:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1943 to March 31st, 1944, as follows:

ONTARIO GOVERNMENT INSTITUTIONS LOANED
TO
THE DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year the following Ontario Government Institutions which were previously turned over, all, or in part, to the use of the Department of National Defence for the purposes of the present war, are still being used for this purpose:

Ontario Hospital, St. Thomas
Ontario Hospital, Brampton
Ontario Hospital, London (land only)
Ontario Reformatory, Mimico
Ontario Agricultural College, Guelph
Normal School, Ottawa
Normal School, Toronto
Industrial Farm, Monteith
Ontario School for Deaf, Belleville
Ontario Agricultural School, Kemptville
Girls' Training School, Galt
Boys' Training School, Bowmanville
Training College for Technical Teachers, Hamilton

The Ontario Hospital, Port Arthur was used during this fiscal year until February 15th, 1944, when it was returned to the Province. Further remarks regarding the above list of Ontario Government Institutions are to be found in the body of this report under their respective sub-divisions.

A considerable amount of office detail work was rendered by this Branch of the Department during this fiscal year, in connection with the Dominion's occupancy of the above Institutions, together with the return to the Province of the premises of the Ontario Hospital, Port Arthur and the leasing, altering and fitting up of additional premises for the temporary quarters of the Girls' Training School at Cobourg, which is also described later in the body of this report.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

General routine repairs, replacements and changes were carried out in all trades, but restricted to the extent required by present war conditions.

The work referred to for this group of buildings included repairs, replacement or changes as required in each instance in connection with roofs, plastering, windows, doors and other interior wooden trim and other finishes.

General repairs and replacements were also carried out in connection with furniture, furniture upholstery, linoleum, blinds and other such equipment.

A considerable amount of general re-painting was done and extra shelving provided.

Repairs, replacements and changes were carried out in connection with plumbing, heating, ventilation, refrigeration and electrical systems.

Considerable repairs were made to elevators generally.

Considerable general welding work was done to effect repairs to general mechanical equipment and to office and cleaning utensils and equipment.

Included with the general work, as above described, the following items were considered to be of sufficient interest to mention for purposes of record in this report:

Parliament Buildings:

The seating arrangement in the Legislative Chamber was remodelled and this work included the removal of the existing horseshoe pattern of seating and platforms and the construction of two separate straight platforms, as originally laid out. The old carpet, generally, was relaid and new carpet provided as required to suit the new platform arrangement.

Room number 250 was remodelled to provide suitable offices and a committee room for the Liberal Opposition Leader and members. These rooms were altered, redecorated and furnished.

The Members' dining room was redecorated and the wood panelling trim and doors were refinished.

A new floor was laid in the north wing elevator.

New linoleum floor finish was laid in rooms number 478, 250, 217, 174, 110N and 229N.

Ceilings in main hall at centre elevators and at Member's cloak room on second floor were replastered.

The glazing of greenhouse was generally overhauled and broken glass replaced and repairs made to wood work and the whole repainted.

Some oil paintings were renovated and some re-framed.

Illumination was improved in certain rooms and electric lighting fixtures replaced or altered.

Considerable improvements were made to the heating system in the north wing, including installation of steam traps on radiators. The enclosing grillwork was removed from the radiators in the offices, to increase their heating efficiency and the recesses plastered and trimmed to match the office finish.

The steam distribution system generally was improved in the main building, including the overhauling of the pressure reducing valves.

Considerable maintenance work was done on the elevators.

Materials were purchased for the making up of 36 fluorescent lighting units.

East Block:

New counters, cashier's booth and sectional partitions were purchased for later installation in the Vital Statistics offices and provisions were made for the installation of micro-film apparatus.

New linoleum floor finish was laid in room number B 327 and in the four passenger elevators.

An Information Booth was provided in the main elevator hall on the ground floor.

Acoustic ceilings were applied in rooms 2506-2508.

Partitions were removed between rooms 3407 and 3409 and between 1403 and 1404.

A new mixing machine, meat slicer and vegetable peeler and some utensils were purchased for the Cafeteria and the dish washing machine was repaired and equipped with new fittings and controls. New galvanized iron double compartment sink was supplied to the Cafeteria.

Considerable repairs were made to the boiler brickwork and the balanced damper control overhauled. The stoker operating mechanism was overhauled and worn parts replaced. The main steam header flange joints were removed and replaced with welded joints. The main boiler feed check valves were overhauled and parts renewed where necessary. The supporting angles on steam drums of number 1 boiler were repaired by electric welding.

Purchased and installed one new electrically driven brine circulating pump for refrigerating system, also installed was a used steam operated auxiliary pump for the same system. The ice machine compressor motor was overhauled and repaired.

The motor driven and steam driven air compressors were overhauled and repaired.

General repairs and replacements were made to the heating system and pressure reducing valves were overhauled. Radiators were relocated where required to suit changes in position of some partitions.

Considerable maintenance work was done on the elevators throughout.

Subsidiary Buildings:

Minor general repairs in various trade branches were carried out in the following buildings:

Numbers 11, 15 and 39 Queen's Park

112 College Street

454 University Avenue (Liquor Control Board)

807 Richmond St. W. (Sewage Laboratory)

Department of Highway's Garages, Surrey Place and Leaside

Department of Health Laboratory Annex and duplex residence, Mimico.
(former Victoria Industrial School premises)

In addition to the above referred to general repairs to subsidiary buildings, the following work items are listed in this report for record purposes:

No. 11 Queen's Park:

New roofing was laid over the rear flat deck section of the building.

No. 454 University Avenue:

A new auxiliary return pump was purchased and installed on the steam heating system. The existing return pump was also overhauled and the piping re-arranged and some new plumbing fixtures installed.

No. 39 Queen's Park:

Extra radiation was installed in two of the rooms in this building and the hot water piping improved and extended to suit. Six new storm sash were provided.

At the Duplex Residence:

On the premises of the Old Victoria Industrial School, Mimico. Repairs were made to the ceiling of the kitchen in the lower duplex, occupied by the engineer of the Ontario Reformatory, Mimico. A new smoke pipe and nine new storm sash were provided.

At the Serology Laboratory, Mimico:

Installed in the Beverley Jones Cottage of the Old Victoria Industrial School, Mimico, for the Department of Health, the following work was done:

A gas operated autoclave was installed, extra locker space provided for staff and bronze fly screens installed over the windows.

Guinea pig colony houses were made up at the Parliament Buildings for use at this Laboratory.

Two additional pairs of wash-up sinks and drain boards were purchased and installed.

A new open shelter was erected to provide summer shelter for calves used in connection with the laboratory work and a stable was erected to provide for winter quarters.

A gas fired space heater was installed in the basement lunch room for the staff and storm sash were installed on the windows on the west side of the building. Grates were replaced in the heating boiler.

Osgoode Hall:

General routine repairs, replacements or changes were carried out at these premises, including the particular items which have been listed as follows for record purposes:

Repairs to plumbing, electrical systems, to boilers and heating equipment.

Two stokers were overhauled and repaired and the one pipe heating system in the north wing was changed to a two pipe system and all radiators in this wing fitted with traps.

A watchman's patrol clock was purchased, together with units for fifteen stations.

Two CO₂ fire extinguishers and a number of brass nozzles and adapters and spanners for fire hose were purchased.

Repairs were made to elevator.

Repairs were made to linoleum and furniture and some shelving provided.

Roof and gutter repairs were made.

Progress plastering repairs and considerable interior painting and decorating was carried out.

Considerable plastering repairs were carried out to certain sections of the ceilings and walls of the Masters' Court.

EDUCATIONAL BUILDINGS

Normal and Model Schools, Toronto:

As noted in my previous annual report for fiscal year 1942-43, these premises were loaned as of July 10th 1941 and are still on loan to the Department of National Defence for R.C.A.F. purposes.

The temporary premises for this School, known as the Earl Kitchener School, Pape Avenue, Toronto, are still on lease by the Province from the Toronto Board of Education for Normal School purposes. Routine general building and mechanical service repairs were carried out by this Department during this fiscal year at the said temporary school and this work included repairs to the heating system, such as the partial retubing of number 2 boiler, replacement of grates and checking and replacement of class room thermostats where found necessary. The main humidistat for the duct system was replaced.

Normal and Model School, Ottawa:

These premises are still on loan to the Dominion Government, and, as noted in my previous annual report, were loaned by the Province to the said Government as of November 1st, 1939 and the Normal School classes were then accommodated temporarily in the Elgin Street Public School, Ottawa, which was leased by the Province from the Ottawa Board of Education. To accommodate a later request of the Department of National Defence, the Normal School classes were afterwards moved from the said Elgin Street School to the Mutchmor School in Ottawa, which opened for this purpose on September 22nd 1942.

Normal School, London:

Minor repairs were made, a new sink was installed in the Science Room. Fire escape and wood entrance steps were painted and new stoker parts were purchased for the heating boiler. Opening on the west side of the tower was filled in with boarding and painted.

Normal School, Hamilton:

Repairs were made to boiler brickwork, including repairs to front arches of numbers 1 and 2 boilers. Repairs were made to main steam trap discharge line, defective piping was renewed and 12 new steam traps installed on radiators. New pressure gauge installed, lavatory basins repaired; one valve renewed on drinking fountain; vestibule door and door checks repaired.

Normal School, North Bay:

The water column on number 2 boiler was repaired, blow off piping overhauled and separate safety valve exhaust piping installed. Repairs were made to front arch of number 1 boiler and to stoker on number 2 boiler and to magnetic starter switch. Class room thermostats were checked and twenty-one replacements made.

Normal School, Peterborough:

Repairs were made to the brickwork of the heating boiler and the blow off tank was vented to atmosphere.

Normal School, Stratford:

Boiler feed pump was overhauled and repairs were made to boiler piping and to brickwork. Two new tubes were installed in number 1 boiler. Minor repairs were made to plumbing in lavatory off Superintendent's office.

Ontario School for Deaf, Belleville:

As noted in my previous annual report, these premises, omitting the farm division, one workshop building and bursar's residence, were loaned by the Province to the Department of National Defence for R.C.A.F. purposes and the occupancy continued during this fiscal year.

A program of general repairs, including heating, plumbing and electric repairs were carried on during this fiscal year at the following premises, which were leased by the Province for the temporary purposes of this School:

Battery Building
St. Thomas Anglican Church Rectory
St. Thomas Anglican Church Parish Hall
Rankin House
Clare House
Lazier House
Mouck House
Bridge Street United Church (three class rooms in basement)
Connor House
Bull House

Fire escapes were erected on the Lazier, Mouck, Rankin, Bull, and Connor Houses and the Rectory.

Ontario School for Blind, Brantford:

Repairs were made to roof of passageway to dining room from main building. Minor repairs made to plumbing. Tuyere blocks, spacers and centre plates were purchased for stokers. A contract was let and general repairs made to the brick settings of steam boilers. Boiler feed pump and stoker was overhauled and replacements made to the boiler plant and heating system generally.

Ontario Training College for Technical Teachers, Hamilton:

This College is being used by the Dominion Government for various training purposes in connection with the present and post-war requirements. Minor repairs were made to plumbing and heating systems and to front vestibule door.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph:

As noted in my previous annual report, a major portion of the premises and buildings of this College are on loan to the Department of National Defence and such occupancy was continued during the fiscal year.

The College work is being carried on in the buildings still remaining to the use of the College, including the whole of the College farm and the farm buildings.

After the rebuilding of the main bull barn and cattle barn was completed, following the fire previously reported, a new pole line for electric feeders was erected from power plant to pump house and to the new cow barn and a new shed was erected to house the new electric motor provided and used to operate grinding and cutting machines in the new cattle barn. Special trusses were designed and erected in the new cattle barn to support the unusually heavy loadings required by the new grain bins which were planned and erected at this time.

New roofing was laid over the meat laboratory building. Broken lightning rod conductor was replaced on power house chimney. Roof repairs were made to Physics Building, to poultry building and poultry houses. Repairs were made to foundations of mechanic's residence and to three green-houses at the Soils Laboratory. The walls of kitchen in a house on the College Lane were re-plastered. Minor general repairs were made to sixteen poultry houses.

Ontario Veterinary College, Guelph:

Repairs were made to gutters at the south end of the Veterinary College Building.

Ontario Agricultural School, Kemptville:

As noted in my previous annual report, the major portion of the premises and buildings of this School are on loan to the Department of National Defence and such occupancy was continued during this fiscal year. The school work is still being carried on in the buildings still remaining to the use of the school including the school farm and farm buildings.

Plaster repairs were made in stairway of Judging Pavilion and repairs were made to basement ceiling joist in the Fraser House.

Western Experimental Station, Ridgetown:

Repairs were carried out to the foundations of the Superintendent's residence and to the floor of the barn. Two chimneys were re-built, ridges and valley irons repainted and roofs repairs on the cottages.

Demonstration Farm, New Liskeard:

Minor repairs were made to farm buildings. Miscellaneous exterior painting was done and repairs made to the furnace in the Superintendent's house.

Horticultural Experimental Station, Vineland:

Minor heating and plumbing repairs were made to the heating plant, the water tower, the administration building and garage and to nine staff cottages. Steam driven vacuum pump and stoker were overhauled. Two tubes were replaced in number 2 steam boiler and two fire extinguishers purchased. Materials and labour were provided for the installation of book shelves and cupboards required for offices and for laboratories.

DISTRICT BUILDINGS

Generally, the works program in connection with these district buildings was kept to a minimum and provided for the carrying out of such work items as were considered to be of an urgent nature, as enumerated in the following sub-divisions:

Algoma:

At the Court House, Sault Ste Marie, the ceilings of the main hall on the first floor and the witness room were replastered, using Gypsum lath. A new 1½ H.P. motor was supplied to replace a worn out unit. Repairs were made to the heating system, including overhauling of return pump. Water piping was renewed at domestic water heater, including replacement of return steam pipe to heating coil. The necessary marble required for repairs to the men's wash room in the basement was purchased. Pole for outside electric lighting was replaced; some electric switches were renewed and a number of minor repairs to electric wiring system made. Miscellaneous plumbing repairs were made, including replacements of two control valves in drinking fountains, 1 set of combination taps on slop sink and one flush valve for the third floor toilet.

At the Gaol, some paint was purchased, also a new lawn mower. Some repairs were made to the locks and the electric lighting for the yard. The ceilings of the Gaoler's residence were replastered on Gypsum Lath.

Cochrane:

At the Court House, Cochrane, boiler mountings and valves were overhauled and minor general plumbing repairs made. Two Union Jacks were purchased.

At the Lock-up, Hearst, the old Delco System was removed, the building connected to the local electric power system and renovations made to improve the electric lighting. A new electric pump was installed for the water supply system to replace the old Delco pump. The ceiling of the building was insulated with wool and two Union Jacks were purchased.

At the Lock-up and Office Building, Matheson, the heating boiler and fittings were overhauled and repairs and replacements made where required to make ready for winter operations.

Kenora:

At the Court House, Kenora, new grates were purchased and installed in the heating boiler and new shelving and table were provided for the vault of the local Registrar. New linoleum was laid and materials purchased for two new clothes closets in the Janitor's apartments. Shrubbery and plants were purchased for the grounds, together with two new Union Jacks.

At the Gaol, repairs to the heating and plumbing system were carried out, including provision of some new grates for boiler, new door frames for jacket heater and new grates for cooking range. A quantity of paint was purchased for general maintenance, also lumber for shelving and flowers for the grounds. One Union Jack was also purchased.

At the Government Building, Sioux Lookout, a new set of grates was provided for the heating boiler and fifteen new storm sash were installed. Some floors were sanded and varnished. A Union Jack and a quantity of plants were purchased for the grounds.

Manitoulin:

At the Court House and Registry Office, Gore Bay, repairs were made to the heating system, including disc and gland replacements at twelve radiators. A new Union Jack was purchased.

Muskoka:

At the Court House, Bracebridge, only minor repairs were carried out.

At the Gaol and Gaoler's residence, Bracebridge, a canopy was erected over the side entrance and the lock on the safe repaired. A contract was let for the installation of a new heating boiler previously purchased, together with additional radiation and piping for top floor cells.

Nipissing:

At the Court House, North Bay, a contract was let for the painting of the exterior woodwork and the Judges' Chambers. Twenty-three new storm sash were installed and the windows caulked throughout. The parking area at the rear of the Court House was built up with cinders. The new boiler purchased last fiscal year was installed and the system of heating piping was revised to suit the altered premises. Repairs and alterations were made to the basement to accommodate a revised heating system and the coal storage was enlarged. A vacuum pump was repaired. Shelving was installed in the basement store room; two Union Jacks were purchased, together with plants and top soil for the grounds.

At the Registry Office, North Bay, five new storm sash were provided.

At the Department of Health Clinic, North Bay, the whole of the interior was repainted, or varnished, as required and a new wood shingle roof was applied. The exterior woodwork and galvanized iron work was repainted.

At the Gaol, North Bay, the windows were caulked throughout, a quantity of paint was purchased for application by inmate labour; grates ordered for jacket heater and a new cylinder prison lock installed on the front door.

Parry Sound:

At the Court House, Parry Sound, two new cast iron sectional heating boilers were purchased and installed and heating and smoke piping changed to replace the existing worn out equipment. New pipe and boiler covering were installed and a 1½ H.P. motor on the heating system was replaced. Two Union Jacks and a quantity of plants and shrubbery were purchased for the grounds.

At the Lock-up, Burk's Falls, three new benches were purchased for the Court Room and new smoke pipe and set of grates purchased for the heating boiler.

Rainy River:

At the Court House, Fort Frances, plaster repairs were carried out as required throughout the building and some new window blinds installed. General repairs were made to the heating system. Combination on safe door was repaired and three Union Jacks purchased.

At the Gaol, Fort Frances, the interior of the Gaoler's quarters was repainted and minor repairs made to floors and plaster. Flooring was repaired in the Gaol. General repairs were also carried out to the heating system.

At the Lock-up, Atikoken, a new heating stove was provided, a new coal bunker erected and improvements made to lighting system.

Sudbury:

At the Court House, Sudbury, two new worms and other worn parts were supplied for stokers on numbers 1 and 2 boilers. Repairs were made to the heating system, including renewal of feed water line to number 2 boiler, and renewal of valves in connection with boiler feed water lines. A number of plumbing repairs were made. Repairs and additions were made to improve the general electric lighting system. The roof was repaired and a quantity of paint purchased to be applied by inmate labour. Two new fying cases were purchased for the Sheriff's office. Three Union Jacks were also purchased.

At the Gaol, Sudbury, repairs were made to the plumbing system, new fly screens were installed on kitchen windows and a quantity of paint purchased, to be applied by inmate labour.

At the Registry Office, Sudbury, new wood fying cases for documents were installed.

Temiskaming:

At the Court House, Haileybury, minor repairs were made to the plumbing and electric systems and eight fire extinguishers were repaired. One Union Jack and a quantity of paint were purchased, to be applied by inmate labour. Number 1 boiler was completely re-tubed and new tubes were purchased for number 2 boiler for later installation.

At the Gaol, Haileybury, minor repairs were made to the plumbing system and a quantity of paint purchased for application by inmate labour.

At the Mining Recorder's Office, Swastika, an automatic draft control device, with thermostatic control unit, was purchased and installed on the heating system.

At the Lock-up, Englehart, heating unit was cleaned out and prepared for firing season.

At the Lock-up, Elk Lake, heating boiler and fittings were overhauled, repairs and replacements made where required and all made ready for firing season.

At the Government Office Building, New Liskeard, heating boiler and fittings were overhauled; repairs and replacements made where required and all made ready for firing season.

Thunder Bay:

At the Court House, Port Arthur, the offices occupied by the Department of Mines were repainted and new linoleum laid. Numerous repairs were made to the plumbing and electrical systems and a quantity of paint purchased for application by staff. New shelving was installed in the vault. A quantity of grass seed was purchased for the grounds.

At the Gaol, Port Arthur, new shelving and bins for vegetable storage were installed. Numerous repairs were made to the plumbing system and minor repairs to the electrical system. Some new window blinds and paint were purchased. Minor repairs were made to floors and hardware. Repairs were made to heating system, including installation of two new manhole covers for boilers numbers 1 and 2. Leak in domestic water tank was welded. A new laundry stove was purchased and installed. 150 ft. of 1½" fire hose was purchased for replacement. A quantity of grass seed and plants were purchased for the grounds.

At the Registry Office, Port Arthur, new shelving was installed in the basement vault.

At the Registry Office, Fort William, the window sills were painted.

At the Lock-up, Geraldton, a new set of grates was purchased for the heating boiler.

ONTARIO HOSPITALS

Ontario Hospital, Brockville:

A new felt and gravel roof was laid over the fire hall and over one bath room wing on main building. General repairs were made to the slate roofs on the patients' cottages and nurses' residence. Repairs were made to eaves-troughs on cottage 4 and metal ridges and hip covers on nurses' residence were repaired. Materials were purchased for extensive repairs to the roofs of the drive shed, sheep pen, barn and root house at the farm. New valley flashings were installed on residence of Assistant Superintendent.

Plans were prepared for proposed new calf shed, but the work was not proceeded with.

Ontario Hospital, Brampton:

The new administration building and a portion of the lands of this Institution, as noted in last year's annual report, are still on loan to the Department of National Defence for Army Training purposes. The remainder of the lands and farm buildings are used and operated by the Department of Health for farming purposes. Repairs were made to the south barn, including renewal of defective posts, beams and joists.

Ontario Hospital, Cobourg:

Drawings were prepared and a contract was let for the rebuilding of the two exterior fire exit stairways leading from the assembly hall.

Ontario Hospital, Fort William:

A new 90 ft. deep experimental well was installed with 6" casing at the rear of the staff quarters and the necessary shallow well electric pump with pressure tank, piping, fittings and other accessories were purchased and installed. A new electric service was installed in the staff quarters to control the new pump. Roof insulation was installed in the Superintendent's residence and the windows and doors caulked. Minor changes were made to heating and plumbing piping in the basement of the staff quarters.

Ontario Hospital, Hamilton:

Roof repairs were made to Orchard House, Nurses' Residence, Infirmary and Main Building. Gutters and down pipes on south side of Main Building were repaired and new ventilator unit installed in ward 9. Repairs were made to eaves-troughs on the nurses' residence, gardener's house, engineer's residence, pump house, assembly hall, Orchard House and Infirmary.

Drawings were prepared and the roofs of two silos at the main barn group, which had been previously destroyed by fire, were rebuilt by day labour. A new relief valve was purchased for the hydro-pneumatic tank on the water system.

Drawings were prepared and the old implement shed was altered and partly rebuilt to provide about 50% of the area of the building for grain storage purposes. The work was done by day labour. A new roof surface was laid over the main power house and the roof of the stores building repaired. Minor alterations were made to the main electrical switchboard.

Ontario Hospital, Kingston:

A drawing was prepared and the old stage structure in the assembly hall at Rockwood was removed and replaced by a small lecture platform. New hardwood flooring was laid over the area of floor affected by this change. The drainage system, in part, was improved by the installation of a ditch to prevent surface water from destroying garden products at the main hospital. Extensive repairs were made to the wood shingle roofs of buildings at the Mowat Wing. Eaves-trough on the north side of Beechgrove was renewed and 17 squares of 5X cedar shingles were purchased for the re-roofing of Cedar Cottage. Copper wire was installed to replace the old iron wire on the fire alarm system from the limits of the City of Kingston to the Mowat Wing of this Hospital.

Plans were prepared for a new one storey building to house fire fighting equipment and the erection work was undertaken by the hospital staff.

Plans were prepared for a proposed fire escape for the nurses' residence, but the work was not proceeded with.

Plans were prepared for a proposed fire escape to serve the assembly hall at the rear of the main building, but the work was not proceeded with.

Ontario Hospitals, Langstaff and Concord:

At the Ontario Hospital, Concord, materials were purchased and an addition to the cow shed and hen house was made.

At the Ontario Hospital, Langstaff, a contract was let and general repairs made to the turbine water pump. Repairs were also made to the spare water pumping unit, including re-winding of 3 H.P. motor. A contract

was let to the Hydro-Electric Power Commission to rebuild the primary and secondary electric service lines from the kitchen to the barns to replace out-worn materials and poles.

Ontario Hospital, London:

Repairs of a minor nature only were carried on and the usual inspection of steam boilers made, as noted under boiler inspections in this report.

One Norwood washing machine was transferred from the store at the Ontario Hospital, St. Thomas, to this Institution.

Ontario Hospital, New Toronto:

Three unused chimneys above roof of assembly hall were removed and roof made good. Considerable interior plaster repairs were carried out in the patients' cottages and in the laundry. Specially hardened concrete floors were laid in two patients' clothing rooms and basement corridor of cottage No. 1. A survey was made and drawings prepared in connection with correcting the erosion of the banks of the creek carrying storm water through the hospital property, but the work was not put in hand.

Ontario Hospital, Orillia:

The floor of pump house for water supply system was completed in wood plank and screen chamber provided on outfall line from small pond. General brickwork repairs, including chimney repairs, were carried on at the main building and at cottages A, B, C, K, L, and M. Repairs and renewals were also made to eaves-trough and flashings of these buildings. The iron reinforcing band was re-installed on the main chimney to the boiler house. A new curtain drier was supplied to this hospital from the Province's storage at the Ontario Hospital, St. Thomas.

Plans were prepared and materials purchased for the erection of a new root house.

Additional land was purchased, sketches and working drawings made and a contract let to a general contractor to start the work of building a new 300 bed hospital unit for infirm cases. This unit included a central kitchen and service wing with dining rooms for the ambulatory patients and for the staff.

Ontario Hospital, Penetanguishene:

One 10 K.V.A. transformer was supplied as a replacement to this hospital from Department of Public Works stores.

Revised plans were prepared and a small quantity of material was ordered for a proposed extension to the piggery, but the work was not proceeded with during this fiscal year.

Drawings were prepared for remodelling the ground floor room under verandah of cottage B to provide clothing store, but the work was not proceeded with during this fiscal year.

Ontario Hospital, Port Arthur:

The new building and a portion of the lands for this hospital, which were previously loaned by the Province to the Department of National Defence, were returned to the Province as of February 15th, 1944 and put into use shortly after by the Department of Health as an Ontario Government Hospital.

Ontario Hospital, 999 Queen St. W., Toronto:

The brick wall found to be in an unsafe condition along the north boundary of the property between the east and west gateways, was removed and replaced with a wooden fence. A contract was let for the work of removal of this wall. The erection of a new fence was carried out by day labour. A new concrete sidewalk was laid from the central gateway in the new wooden fence at Queen Street to the front entrance of the hospital. One new domestic hot water storage tank and heater was supplied to replace a worn out unit in the main pump house.

Psychiatric Hospital, Toronto:

The converter on the hot water heating system was repaired and some new copper tubing installed. A used circulating pump was brought from Parry Sound and installed on the hot water heating system to improve the circulation. Glass was supplied for replacements on electric fixtures. Thermostatic control unit on dish washing sinks in staff servery was installed.

Ontario Hospital, Whitby:

General repairs were made to exterior brickwork, where required, on all buildings. Repairs were made to the brickwork of the main steam boilers where required and baffles were replaced by contract in numbers 1 and 2 boilers. A contract was let for renewing the felt and gravel roof surfaces on patients' cottages 3, 4, 6 and 11. Main entrance porte-cochere brickwork was remodelled to widen entrance driveway. A new felt and gravel roof was laid over the flat roof on part of the physicians' residence on the farm road. New shingles were purchased for renewing another section of the roof of the main "V" barn. One vertical type steam boiler was purchased as a replacement unit for piggery.

Plans were prepared for a new steel structure to support the hot water tank in the power house and for a proposed new slaughter house, but work was not proceeded with.

Ontario Hospital, Woodstock:

Repairs of a minor nature only were carried on and the usual inspection of steam boilers made as noted under boiler inspections in this report. Plumbing fixtures were supplied for a nurses' wash room in the boys' unit, installation was done by hospital staff.

Ontario Hospital, St. Thomas:

Excluding the farm, which is under the control of this Department for the time being, these hospital lands and premises are still on loan to the Department of National Defence for R.C.A.F. purposes.

It is to be noted that various articles of furniture and equipment have, from time to time, since this hospital was loaned to the Dominion, been transferred from the Department of Public Works stores at the hospital, to the R.C.A.F. for their use at this centre and to other Ontario Government Institutions, as requisitioned.

EXAMINATION OF PLANS FOR DEPARTMENT OF HEALTH

Generally, plans were examined and recommendations forwarded to the Department of Health in connection with proposed new construction, alterations and additions at General Hospitals, Hospitals for Incurables, Red Cross Hospitals, Sanatoria and private hospitals.

Proposals of various kinds were dealt with this fiscal year in connection with the following:

General Hospitals:

St. Joseph's Hospital, North Bay.
McKellar General Hospital, Fort William.
Isolation Hospital, Toronto.
Metropolitan General Hospital, Windsor.
Salvation Army Grace Hospital, London.
Mothercraft Hospital, Toronto.
Toronto Western Hospital, Toronto.
Bowmanville General Hospital, Bowmanville.
Chatham General Hospital, Chatham.
Victoria General Hospital, London.
Toronto East General Hospital, Toronto.
Proposed General Hospital, Wiarton.
Rosamund Memorial Hospital, Almonte.
St. Joseph's Hospital, Blind River.
Hamilton General Hospital, Hamilton.
St. Joseph's Hospital, Sarnia.
Groves Memorial Hospital, Fergus.
Salvation Army Grace Hospital, Ottawa.
Strathroy General Hospital, Strathroy.
Salvation Army Grace Hospital, Windsor.
Niagara Falls General Hospital, Niagara Falls.
Niagara Cottage Hospital, Niagara Falls.
Ottawa Civic Hospital, Ottawa.
York County Hospital, Newmarket.
Parry Sound General Hospital, Parry Sound.
Wellesley Hospital, Toronto.
Welland County Hospital, Welland.
Women's Communal Centre Hospital, Welland.
St. Joseph's Hospital, Toronto.
Arnprior Hospital (proposed), Arnprior.
Cornwall General Hospital, Cornwall.
St. Joseph's Hospital, London.
Plummer Memorial Hospital, Sault Ste Marie.
Wingham General Hospital, Wingham.

Sanatoria:

Fort William Sanatorium, Fort William.

Hospitals for Incurables:

Runnymede Hospital, Toronto.

Red Cross Hospitals:

Atikokan Red Cross Hospital, Atikokan.
Beardmore Hospital, Beardmore.
Emo Hospital, Emo.
Bancroft Hospital, Bancroft.

Private Hospitals:

Oakville Private Hospital, Oakville.
Brookhurst Private Hospital, Cobourg.
Waterford Private Hospital, Waterford.
Whitby Private Hospital, Whitby.
Campbellford Private Hospital, Campbellford.
Dewar Private Hospital, Fort William.

Milton Private Hospital, Milton.
 Weston Private Hospital, Weston.
 Fern Oxley Rest Home, Toronto.
 Meaford Private Hospital, Meaford.
 Brierbush Private Hospital, Stouffville.
 Sutton Private Hospital, Sutton West.
 Mayfair Private Hospital, Toronto.
 Mrs. Cameron Private Hospital, (proposed), Sudbury.
 Port Perry Private Hospital, Port Perry.
 Little Britain Private Hospital, Little Britain.
 Huntley Nursing Home, Toronto.
 Hospital of the Good Shepherd, Hawkesbury.
 Bellevue Private Hospital, St. Catharines.
 Havelock Private Hospital, Havelock.
 Strathcona Private Hospital, Toronto.
 Maplehurst Private Hospital, Thorold.
 Central Patricia G.M. Private Hospital, Central Patricia.
 Brantford Private Hospital, Brantford.
 Duke Fingard Private Hospital, Toronto.
 Rideau Terrace Private Hospital, Ottawa.
 L'Assumption Private Hospital, Moosonee.
 Markdale Private Hospital, Markdale.

ONTARIO REFORMATORIES

Andrew Mercer Reformatory, Toronto:

Repairs and renewals were made to the main building eaves-troughs and down pipes. Minor repairs were made to the roof of the gardener's cottage and new smoke pipe was installed.

Ontario Reformatory, Mimico:

As stated in the report of the previous fiscal year, this Institution is still on loan to the Department of National Defence. The farm lands and farm buildings were omitted from the premises loaned to the Dominion, with the exception of certain small portions of the said farm lands which were, by separate arrangement, loaned to the Dominion for garden purposes. The farm lands and buildings of this Reformatory as referred to above, together with the premises of the adjoining former Victoria Industrial School are being operated by the Department of Health.

Industrial Farm, Monteith:

As noted in the report of the previous fiscal year, this Institution is now on loan to the Department of National Defence and the whole premises are under their jurisdiction.

Industrial Farm, Burwash:

The horse barn was destroyed by fire January 16th, 1944. A new 36" x 60 ft. steel smoke stack for power house at cell block was supplied to replace defective unit.

Ontario Reformatory, Guelph:

See separate section included in this report re boiler inspection which applies to this Institution, as well as others generally referred to.

ONTARIO TRAINING SCHOOLS

Boys' Training School, Bowmanville:

This Institution is still on loan to the Department of National Defence and the premises known as the "Senkler House" and the "Alexander House" which were previously leased for temporary quarters of the School are in use at present for this purpose. Minor alterations were made to these temporary premises during this year, including changes to some partitions and the building of a fire escape stair from the verandah. About 50 square yards of new battle-ship linoleum was laid. A slop sink was installed in the Senkler House and exterior electric lights provided over fire escape and new lavatories were installed for the boys and for the staff.

Girls' Training School, Galt:

This Institution is still on loan to the Department of National Defence and the premises known as the McCook residence in Cobourg, which were previously leased for the temporary quarters of the School, are still in use for this purpose. As an addition to the foregoing temporary quarters, the Haas premises in Cobourg, including the residence known as "Strathmore" and its out-buildings, were leased as of November 24th, 1943 to provide an extension of the temporary school accommodation in Cobourg. The Haas residence was altered and fitted to suit the temporary school requirements, including renovations and extensions to plumbing, heating, electrical and sewage disposal systems, together with general trades alterations and improvements to the building. General routine repairs and improvements were made to the McCook residence during the course of this fiscal year and in the fall of 1943 the two warm air furnaces in this residence were re-conditioned, including new steel linings for the fire boxes and new parts for the stokers and stoker retorts. Heating and cold air ducts were extended and induced draft units were installed on both warm air furnaces. An electric sump pump was purchased and installed in the basement of the east wing and ten new custodial locks were provided.

FISH HATCHERIES

At Hill's Lake, repairs were made to spillway at number 1 pond and wood rearing tanks were raised and supported on concrete mud sills to replace old cedar posts.

At Deer Lake Hatchery, final settlement was made for right-of-way of a portion of the road to this Hatchery.

ONTARIO HIGHWAYS BUILDINGS

The following work was done by this Department at the request and direction of the Department of Highways:

Sketches only were developed for proposed work as follows:

Garage for Stratford

Engineer's residence, Bancroft

Various types of plow sheds.

Plans only were prepared for a double plow shed.

Plans and specifications were prepared for a single plow shed.

Working drawings, details and inspection services were rendered for:

New garage at North Bay (foundations only were put in during this fiscal year.)

New plow shed, Cooksville. The Department of Highways arranged the contracts and paid for the cost of the erection of the two buildings noted above.

A model was prepared showing buildings and lands of the Highways Divisional Headquarters near Hamilton.

Tenders were checked and reported upon for a new heating system for garage at Emo.

BOILER INSPECTIONS

The boiler inspection work of this Department was carried out by the Heating Engineer, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings.

Excluding the plants which have been loaned to the Department of National Defence for their own operations and responsibility in connection with the Institutions loaned for purposes of the present war, the inspection work covered this year under the above heading may be described as follows:

The boilers and boiler equipment and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools, and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and materials needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and the Ontario Reformatories, the reports, as referred to, were sent to the Departments of Health and Provincial Secretary respectively, for their attention in the matter of making the repairs recommended.

The recommendations contained in the reports regarding plants in all the other building groups referred to in this section, were attended to by the Department of Public Works.

PROVINCE OF ONTARIO SAVINGS OFFICES

Co-operation was given in the usual manner to the Head Office Management of the Savings Offices in the matter of general routine maintenance and repair work at the branches where such work was requested.

Renewal of expiring leases in connection with branch offices was negotiated and arranged, as required.

At the request of the Director of Savings Offices, co-operation was given in connection with the business of the closing of the Niagara Falls Branch as of September 30th, 1943 and the Sault Ste. Marie Branch as of September 30th, 1943. The moving of the furniture and equipment in both these cases was arranged, as requested.

Premises for a new branch savings office at the corner of Hamilton and Rectory Streets in the City of London were inspected and fitted up for savings office purposes, as requested and a covering lease was arranged for a five year period commencing on December 1st, 1943.

An inspection was made and a tentative scheme prepared in connection with a proposed addition to the premises at St. Catharines, but the conditions were found to be unfavourable and further consideration of the proposal was not recommended.

Inspections and recommendations were made in connection with the proposed improvement of the electric lighting at the Brantford Savings Office.

MISCELLANEOUS

Ontario Government Building, Kingston:

Routine general repairs were made, including repairs to plumbing, heating and electrical work. Repairs and replacements were made to stoker and boiler feed piping; fire door arch was repaired in number 1 boiler and control rope was provided for elevator.

Repairs were made to concrete roadway and to chimney and lightning rod.

Repairs were made to asbestos slate roof.

Air Raid Precaution work:

A representative of this Department attended weekly meetings of the Provincial Committee until A.R.P. work was officially closed on March 31st, 1944.

On the 4th and 5th of May, 1943, our representative attended lectures at an A.R.P. School in Buffalo, N.Y., re bomb reconnaissance and also prepared a training manual for Utility Services in A.R.P. work for the Provincial Committee. After the closing of this work in Ontario, this manual was used in connection with A.R.P. training work in the Maritime Provinces.

Fair for Britain:

Plans were prepared, materials purchased and exhibit space built for various departments and general assistance given in the matter of preparing space for this exhibition. The Parliament Buildings staff carpenters and electricians were used to carry out this work.

Boiler House and Engine Room, Lignite Development Scheme, Onakawana, Ont.:

As mentioned in my report for the previous fiscal year, certain drawings were made at the request of the Minister of Lands and Forests for this development. The last of these drawings were made during the first month of this fiscal year.

General Laboratory Equipment and other Miscellaneous Work for the Department of Health:

Experimental fluorescent table lamp was made up for serum examinations for Health laboratory.

A steam coil with thermostatic temperature regulator was installed in dish washing sinks at the Psychiatric Hospital in connection with experimental work being carried on by the Division of Industrial Hygiene.

Electrical apparatus was purchased and installed in water baths, hot air ovens and incubators furnished by the Department of Health for various laboratory centres throughout the Province and numerous special shipping boxes and units of special wooden equipment were made.

A standard detail drawing for a water bath was made.

A detail drawing was made of standard nursery cubicle.

A detail drawing was made for remodelling a dental railway car.

A map of the Province of Ontario was made showing the mental hospital districts and a map of the James Bay region was also made for the Tuberculosis Division.

A sketch was made to illustrate a proposed Psychiatric unit to be incorporated in the new wing at the Metropolitan General Hospital, Windsor.

Temiskaming Testing Laboratory, Cobalt:

The following equipment and machinery was purchased and installed during this fiscal year:

One used number 1 Krupp drip grind ball mill with all necessary bins and chutes.

One used Worthington 6½" x 6" vertical air compressor, including pipe lines to the various machines.

One number 46 Arcade bench drill with 1/3 H.P. motor.

One used melting furnace with necessary accessories. This unit was purchased during the previous fiscal year.

Generally, the installation was completed of all other machinery and equipment purchased and partly installed during the previous fiscal year, including a system of dust collecting for the various machines.

The inside and outside painting was completed and a 4 ft. wide and 23 ft. long sign erected on the front of the building.

A utility platform truck 2 ft. wide and 4 ft. 6 inches long was purchased.

Record drawings were made for the files in connection with this project.

Dominion-Provincial Creche:

Routine repairs were made to the premises at 95 Bellevue Avenue, Toronto, as required.

Plans and other work for Department of Lands and Forests:

Drawings were made, at the request of the Department of Lands and Forests for a storage building for files.

The premises at 95 Broadalbane Street, Toronto, were inspected for prospective offices.

Typical Dormitory Buildings for Farm Service Force, Department of Agriculture:

Drawings were made, at the request of the Department of Agriculture for:

A. A Farm service camp for boys.

B. A Farm service camp for girls.

High School, Embrun:

At the request of the Department of Education, an inspection and report was made of the drainage system at this School.

Data for Treasury Department:

A survey of existing office areas of this Department was made together with an organization chart as requested.

General Departmental Work Items:

Detail of ballot boxes was made for election officer.

Looked into matter of cement groins at Pelee Island.

Coal consumption chart made for East Block.

Report made regarding McReights dam at Thessalon.

Report made regarding recreation room for Civil Service.

Schedule of shifts made for East Block boiler room.

Looked into matter of Rondeau Park water supply.

Valuation made of Osgoode Hall.

General crating work was done for various departments, as required.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Chief Architect.

Toronto, March 31st, 1944.

REPORT OF THE ENGINEER

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings, Toronto.

SIR:

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1943, to March 31, 1944.

All the work was done by day labour under local foremen, employing local men wherever possible.

The usual maintenance of locks, dams, docks and navigable channels was carried out. One new concrete dam was partly built but could not be completed on account of the labour situation. A new timber dock was built at Macdiarmid, and drainage work was carried out in eight districts.

Maintenance work was as follows:

Huntsville Locks:

One gate had sagged due to decayed timber in it so that it could not be operated. The decayed timber was renewed and the gate put in proper working order. Several other repairs were made to the locks.

Bala Dam:

Several new stop logs were provided for the sluiceways, the deck was repaired, and new boom timbers put in above the dam to prevent boats going over the dam.

Port Carling Locks:

The deck on the south side of the lock was renewed and other necessary repairs made to the locks.

Pickernel River Dam:

An additional foot of concrete was added to the top of this dam so that the water could be raised to provide better navigation in the channels between the lakes above. The earth dam on the channel to the west of the main dam was raised about 15 inches and widened 4 or 5 feet to make it safe.

Camp Lake Dam, Tasso Lake Dam and Distress Dam:

These timber dams were repaired and made safe against floods by sheeting and gravelling.

Muskoka Lakes Buoys:

All buoys taken out by ice and spring floods were replaced to provide safe navigation.

Dollars Dams:

These dams are on the Pickernel River in the District of Parry Sound, and make navigation for steamboats and launches possible for a distance of about thirty miles on a very scenic section of the Pickernel River. Two dams are required as the channel is divided by an island at this point. Timber dams were built here many years ago for lumbering operations. There is very little

lumbering carried on there now but this has become a fine tourist district and there is excellent fishing in these waters as well as good hunting along the route. The old timber dams were badly decayed and in danger of being taken out by spring floods so it was decided to renew them in concrete.

The north dam was in the most dangerous condition and leaking badly, so work was started on it as soon as the spring floods were over. It is over 400 feet long and 15 feet high at the sluiceways. It is provided with two stop log sluices 18 feet wide each and 12 feet deep. It rests on a solid rock foundation throughout its entire length. Owing to the labour situation and shortness of the season, as all material had to be taken in by water, the dam was only about half completed. It will be completed next season. The south dam is only 75 feet long and 20 feet high and will be built after the north one is completed.

Macdiarmid Dock:

This dock is on Lake Nipigon and is used mainly as a fishing dock. It is about 400 feet long and 16 feet wide. It is a timber dock and the timber had become so badly decayed that it was unsafe. The piers were renewed in round timber from low water level up and four lines of stringers were placed on top of the piers. These were covered with 2-inch plank, and the dock should be good for ten or twelve years more.

Municipal Drainage:

Municipal drainage was carried out in the following districts: Sudbury, Nipissing, Parry Sound, Muskoka, Victoria and Haliburton, Peterborough, and North and South Renfrew.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER,

Engineer of Public Works.

Toronto, March 31, 1944.

Department of Public Works, Ontario.
TORONTO, March 31st, 1944.

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works, Ontario.

SIR:

I have the honour to submit the following statement showing the several contracts entered into with His Majesty during the twelve months ending March 31st, 1944, in connection with Public Buildings and Works, subject to the control of the Public Works Department of Ontario.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Secretary and Accountant.

STATEMENT NO. 25

Showing the several contracts entered into with His Majesty during the twelve months ended March 31st, 1944, in connection with Public Buildings and Works, subject to the control of the Department of Public Works, Ontario.

Date	Location of Work	Subject of Contract	Contractors	Amount
Feb. 14, 1944	Ontario Hospital, Orillia	Supervision of General Trades	Anglin-Norcross Ontario Limited	Lump sum fixed fee \$9,500.00
Feb. 16, 1944	Ontario Hospital, Orillia	Excavations	A. E. Jupp Construction Co., Limited	Unit rates

STATEMENTS
of the
ACCOUNTANT
of
Public Works Department
1943-1944

Department of Public Works, Ontario.
TORONTO, March 31st, 1944.

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works, Ontario.

SIR:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Public Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1944.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Secretary and Accountant.

SUMMARY OF EXPENDITURE
FOR FISCAL YEAR APRIL 1st, 1943 to MARCH 31st, 1944

Service	Ordinary	Capital	TOTAL
Main Office—Administration expenses, etc.....	\$145,915.98		\$145,915.98
Maintenance and repairs—Government Buildings...	602,532.84		602,532.84
Public Works—Maintenance.....	11,888.15		11,888.15
Public Buildings.....		20,089.47	20,089.47
Public Works.....		16,787.26	16,787.26
Special Warrants.....	7,900.00	102,938.35	110,838.35
TOTAL NET EXPENDITURE.....	\$768,236.97	\$139,815.08	\$908,052.05

STATEMENT OF REVENUE

Commissions on telegraphs and telephones.....	\$ 3,011.36	\$ 3,011.36
Sale of material.....	831.34	831.34
Sale of produce and stock.....	13,490.51	13,490.51
Rentals.....	29,351.55	29,351.55
Perquisites.....	2,170.50	2,170.50
Building equipment.....	187.25	187.25
Miscellaneous.....	184.83	184.83
Payment by Dominion Government of rental right to construct and maintain storm sewers at Ontario Hospital, Brampton.....	\$ 2.00	
Payment by Dominion Government of fire insurance on portion of Agricultural School, Kemptville.....	7,814.58	
Refunds—Miscellaneous.....	7,816.58	7,816.58
Sale of property.....	400.36	400.36
		393.75
	\$ 57,444.28	\$ 393.75 \$ 57,838.03

S. WOOD,
Secretary and Accountant.

TORONTO, March 31st, 1944.

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONTRUCTION OF PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st, 1944

O R D I N A R Y			
MAIN OFFICE:			
Service	Amount		Amount
Salaries—Permanent.....	\$ 59,127.40		
Temporary.....	173.28		
Travelling expenses.....	884.68		
Maintenance.....	3,735.19		
Insurance and lightning rods.....	22,606.50		
Local Improvement taxes.....	265.76		
Compensation, medical, hospital and other accounts for workmen injured in Government work, as awarded by the Workmen's Compensation Board, including proportion of administration expenses.....	3,285.60		
Cost of living bonus—entire Department.....	55,555.56		
Unemployment Insurance stamps.....	282.01		
			\$145,915.98

GENERAL SUPERINTENDENCE:

Salaries—Permanent	\$ 11,550.00	
Services, travelling and other expenses.....	4,405.89	
		\$ 15,955.89

LIEUTENANT-GOVERNOR'S APARTMENT:

Salaries	\$ 4,271.92	
Maintenance	684.54	
		\$ 4,956.46

LEGISLATIVE AND DEPARTMENTAL BUILDINGS:

Administrative Services—		
Salaries—Permanent	\$16,745.23	
Temporary	5,747.05	
		\$ 22,492.28
Telephone service	40,996.83	
Typewriter inspection and repairs	3,517.13	
Maintenance Staff—		
Salaries—Permanent	\$ 62,633.42	
Temporary	124,257.22	
Casual	12,644.81	
		199,535.45
Maintenance—		
Fuel, light, gas, water and power	67,469.33	
Cleaning supplies, upkeep of grounds	11,978.00	
Furniture, furnishings, etc.	6,529.06	
Mechanical Staff—		
Salaries—Permanent	5,400.00	
Repairs and alterations	60,852.77	
		\$418,770.85
<i>Deduct Rentals</i>	3,000.00	
		\$415,770.85

OSGOODE HALL:

Salaries—Permanent	\$13,033.46	
Temporary	8,016.26	
Casual	1,591.25	
		\$22,640.97
Maintenance—		
Fuel, light, water and power	5,322.08	
Furniture, furnishings and equipment	55.49	
Telephone service	2,874.25	
Cleaning of buildings and incidentals	526.75	
General repairs and alterations	7,458.66	
		\$38,878.20

EDUCATIONAL BUILDINGS:

Repairs and incidentals—		
Toronto Normal and Model Schools	\$ 165.52	
London Normal School	230.60	
Hamilton Normal School	247.94	
Peterborough Normal School	32.42	
Stratford Normal School	230.71	
North Bay Normal School	4.30	
School for the Blind, Brantford	482.12	
Ontario Training School for Technical Teachers, Hamilton	72.07	
General—To provide for repairs, installation of boilers and heating plants in buildings and fire protection	1,743.15	
To provide for expenses in connection with leasing of the Normal School, Ottawa, to Dominion Government	75.00	
		\$ 3,283.83

AGRICULTURAL BUILDINGS:

Repairs and incidentals—

Ontario Agricultural College, Guelph.....	\$ 3,844.27
Horticultural Experiment Station, Vineland.....	582.30
Agricultural School, Ridgetown.....	550.64
Agricultural School, Kemptville.....	431.40
New Liskeard Demonstration Farm.....	141.39
General—To provide for repairs, installation of boilers and heating plants in Agricultural Buildings and fire protection.....	397.75

\$ 5,947.75

TRAINING SCHOOLS:

Repairs and incidentals—

Ontario Training School for Boys, Bowmanville.....	\$ 162.21
Ontario Training School for Girls, Galt.....	200.18

\$ 362.39

DISTRICT BUILDINGS:

Repairs and alterations, furniture and furnishings and improvements to grounds for all District Buildings—

Algoma.....	\$ 634.70
Cochrane.....	451.09
Kenora.....	610.40
Manitoulin.....	20.42
Muskoka.....	146.10
Nipising.....	2,266.96
Parry Sound.....	206.73
Rainy River.....	678.85
Sudbury.....	918.58
Temiskaming.....	268.17
Thunder Bay.....	1,416.17
General—To provide for repairs, installation of boilers and heating plants in Districts and fire protection.....	5,527.05
Salary of Caretaker, Temiskaming.....	825.00

\$13,970.22

ONTARIO HOSPITALS:

Repairs and incidentals—

Brockville.....	\$1,146.07
Cobourg.....	826.58
Hamilton.....	5,579.46
Kingston.....	1,848.83
London.....	58.20
New Toronto.....	1,617.50
Orillia.....	2,257.39
Penetanguishene.....	28.42
Toronto.....	3,773.64
Psychiatric, Toronto.....	238.95
Whitby.....	6,238.69
Woodstock.....	99.86
Fort William.....	161.91
Concord.....	114.40
Contingencies.....	156.14

\$24,146.04

ST. THOMAS:

To provide for expenses in connection with the leasing of Hospital to the Dominion Government for the purposes of National Defence (recurring charges recoverable from the Dominion Government, in accordance with Agreement).....	\$ 466.60
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Farm operating expenses—

Salaries.....	\$ 5,196.00
Expenses.....	21,965.32
	<u>27,161.32</u>

\$27,627.92

PUBLIC WORKS:

Maintenance—		
Salaries (Lockmasters, Supervising Foremen, etc.).....	4,815.00	
Repairs to locks, dams, etc.....	5,792.18	
Equipment	242.76	
Maintenance of Hawkesbury-Grenville Bridge.....	1,038.21	
		<u>\$11,888.15</u>

ONTARIO GOVERNMENT OFFICE BUILDING, KINGSTON:

Maintenance—		
Salary of Caretakers.....	\$2,379.96	
Cleaning supplies, fuel, electricity, water, repairs and incidentals	2,294.00	
		<u>\$ 4,673.96</u>

MISCELLANEOUS:

To provide for the costs of moving patients, inmates and staffs of Provincial Institutions leased to the Dominion Government for war purposes, including repairs and alterations to buildings and all expenses in connection with providing quarters during the terms of the Agreement (lump sum payments received from Dominion as per agreements, deposited as revenue).....		\$46,959.33
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SPECIAL WARRANTS:

Grant for construction of Dam on Little Thessalon River.....	\$6,225.00	
Purchase and framing of portrait of Gordon D. Conant, K.C., B.A., LL.B., ex-Prime Minister.....	\$1,675.00	
		<u>7,900.00</u>
TOTAL ORDINARY EXPENDITURE.....		\$768,236.97

CAPITAL

ONTARIO HOSPITALS:

Additions, alterations, equipment and fireproofing.....	\$ 5,216.22
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DISTRICT BUILDINGS:

Purchase of property and alterations to buildings to provide accommodation for testing Laboratory for the Department of Mines, including purchase and installation of additional equipment and expenses in connection therewith.....	\$12,744.00	
To provide for construction of works and buildings, alterations and fireproofing and expenses in connection therewith.....	527.84	
		<u>\$13,271.84</u>

FISH HATCHERIES:

Construction and alterations to Fish Hatcheries.....	293.56
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AGRICULTURAL BUILDINGS:

Construction of works and expenses in connection therewith....	\$ 1,307.85
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PUBLIC WORKS:

Municipal Drainage.....	\$8,660.50	
Storage dams and docks.....	8,126.76	
		<u>\$ 16,787.26</u>

SPECIAL WARRANT:

Construction of a new Patients' Building at Ontario Hospital, Orillia.....	\$102,938.35
TOTAL CAPITAL EXPENDITURE.....	<u>\$139,815.08</u>

SUMMARY

ORDINARY EXPENDITURE:

Main Office and Maintenance and Repairs of Government Buildings.....	\$768,236.97
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CAPITAL EXPENDITURE:

Public Buildings and Public Works.....	\$139,815.08
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	\$908,052.05
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S. WOOD,

Secretary and Accountant.

Department of Public Works, Ontario.
TORONTO, March 31st, 1944.

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REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1945

1944/45

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO



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1946

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FOR THE
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SESSIONAL PAPER No. 8—1946



TORONTO
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1946

To:
THE HONOURABLE ALBERT MATTHEWS,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, the Architect, Engineer, Secretary and Accountant, for the twelve months ending the 31st of March, 1945.

Respectfully submitted,

GEO. H. DOUCETT,
Minister of Public Works.

Department of Public Works, Ontario,
Toronto, March 25, 1946.

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

SIR:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Accountant for the financial year, April 1, 1944 to March 31, 1945. These reports cover a wide variety of repair and construction work in all parts of the Province.

ARCHITECT'S BRANCH

Owing to the favourable war situation, the Dominion has returned to the Province seven of the fourteen Institutions which were leased in whole or in part for war purposes. Agreements have been entered into with the Dominion for restoring the buildings to their condition at the time of leasing the various units. The work has progressed favourably and is dealt with in detail in the Architect's report. A considerable amount of mechanical equipment requires to be replaced as soon as conditions permit and every effort has been made to keep this equipment in repair.

The construction of a new 300 Bed Hospital Group at the Ontario Hospital, Orillia, is progressing as favourably as conditions permit, but delays have occurred owing to the shortage of material and the difficulty of securing sufficient trained mechanics.

The Architect's Office has co-operated extensively with other departments in preparing plans, giving technical advice and making reports on various projects to assist in carrying out the provisions of Acts relating to public buildings.

ENGINEER'S BRANCH

Repairs to the locks and dams in the Northern Districts have been carried out where necessary; the work being done by day labour. The construction of the Dollar's Dam on the north channel of the Pickerel River has been completed. In accordance with provisions of the Provincial Aid to Drainage Act, the following municipalities were given aid:

Townships of Aldborough and Orford . Morden Drain.....	\$2,020.99
Mersea Township.....Lloyd Drain.....	2,563.00
Howard and Harwich Townships.....Field's Creek Drain.....	2,959.40

SECRETARY AND ACCOUNTANT'S BRANCH

Owing to the difficulties of obtaining materials and labour for construction projects, contracts for new construction were entered into on a lump sum fee basis, the Department supplying the materials and the contractor supervising and carrying out the work.

While the revenue shows an increase over previous years, this increase is on account of funds received from the Dominion to carry out restoration work at Institutions returned to the Province.

Expenditures are summarized, as follows:

Main Office.....	\$143,924.71
Maintenance and Repairs—Government Buildings	736,849.86
Total Ordinary	<u>\$880,774.57</u>

CAPITAL

Public Buildings and Public Works.....	\$353,245.68
Total Net Expenditure.....	<u>\$1,234,020.25</u>

I have the honour to be, Sir,

Your obedient servant,

R. A. McALLISTER,
Deputy Minister of Public Works

TORONTO, March 25, 1946.

REPORT OF THE ARCHITECT

THE HONOURABLE GEO. H. DOUCETT, M.P.P.,
Minister of Public Works.

SIR:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1944, to March 31st, 1945, as follows:

ONTARIO GOVERNMENT INSTITUTIONS LOANED
TO

THE DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year, the following Ontario Government Institutions which were previously turned over, all, or in part, to the use of the Department of National Defence for purposes of the present war are still being used for this purpose:

Ontario Hospital, St. Thomas,
Ontario Hospital, Brampton,
Ontario Hospital, London (portion of lands only),
Normal School, Ottawa,
Industrial Farm, Monteith,
Girls' Training School, Galt,
Boys' Training School, Bowmanville.

The following Institutions have been returned by the Department of National Defence to the Province:

Ontario Reformatory, Mimico, as of May 1st, 1944,
Agricultural School, Kemptville, as of May 1st, 1944,
Normal School, Toronto, as of July 12, 1944,
Ontario School for Deaf, Belleville, as of July 15, 1944,
Training College for Technical Teachers, Hamilton, as of Sept. 1, 1944,
Ontario Agricultural College, Guelph, as of February 19, 1945.

Further remarks regarding the return and reconversion of these various Institutions will be found in the body of this report under their respective sub-divisions.

A considerable amount of work was rendered by this Branch of the Department in connection with the continued use of the above enumerated Institutions still on loan to the Department of National Defence, as well as in connection with the above Institutions referred to as being returned to the use of the Province during this fiscal year.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Sketch plans were prepared and working drawings started for proposed two wing extension to East Block. In this connection, a survey and schedule was made of the present elevator traffic and a population survey and schedules made of all offices, with a view to determining the space requirements in the new wings.

Sketch plans were prepared for a proposed new building for the Theatre Inspection Branch of the Treasury Department.

Sketch plans were prepared for a proposed central garage building.

Working drawings were prepared for the remodelling of three lavatory centres in the Parliament Buildings.

Working drawings were prepared for remodelling the Cafeteria service counter in the East Block.

General routine repairs, replacements and changes were carried out in all trades, but restricted to the extent required by present war conditions.

The work referred to for this group of buildings, included repairs, replacements or changes, as required in each instance in connection with roofs, plastering, windows, doors and other interior wooden trim and other finishes.

General repairs and replacements were also carried out in connection with furniture, furniture upholstery, linoleum, blinds and other such equipment.

A considerable amount of general re-painting was done and extra shelving provided for the various Departments.

Repairs, replacements and changes were carried out in connection with plumbing, heating, ventilation, refrigeration and electrical systems.

Considerable repairs were made to elevators generally.

The electrical power and lighting systems were maintained and repaired and, in some instances, the illumination improved by the installation of fluorescent lighting units.

Considerable general welding work was done to effect repairs to general mechanical equipment and to office and cleaning utensils and equipment.

Numerous sectional partitions were installed in various offices throughout the Parliament Buildings and the East Block to divide existing offices.

Included with the general work, as above described, the following items were considered to be of sufficient interest to warrant mention for purposes of record, in this report:

Parliament Buildings:

Repairs were made to room 373, Treasury Department, to repair damage done by a small fire in this room.

A portable steam table was purchased for the Member's dining room, to improve the food service to the Members during Sessions of the Legislature.

General repairs were made to the elevators, preparatory to their being placed under a maintenance contract. It was felt in this connection that the safety of the general public and staff using these elevators would be more assured if the continuous maintenance of these important service units was placed under a contract with a reputable elevator manufacturing company.

A start was made to replace the existing 2 ½" fire hose with 1 ½" hose to provide for safer operation of this equipment.

The extractor in the laundry was overhauled and rebuilt and a more efficient drive provided.

East Block:

To replace the small Health Clinic, which had been set up temporarily on the 6th floor, a suite of offices on the 5th floor was remodelled to provide

more adequate facilities for Health Clinic Services and included rest, examination, treatment rooms and consultation offices for the general welfare of the Civil Service staff, as well as to provide for the emergency treatment of those taken ill or injured in the course of their duties.

Special desks and book trucks were designed and provided for the Registrar-General's Branch to facilitate the handling of the heavy record books used in connection with the issuance of certificates of records required by the Public.

A special X-ray film filing cabinet was designed and made by staff mechanics for the Industrial Hygiene Division of the Department of Health.

For the convenience of and assistance to the general public who have, in the past found difficulty in locating the various offices and Departments throughout the East Block, a system of directional boards and illuminated signs was designed, purchased and some units, as they became available, were installed during this fiscal year.

To provide much needed additional office space, the observation room on the 15th floor of the Tower, was subdivided into small offices.

As previously referred to for elevators in the Parliament Buildings, the elevators in the East Block were also repaired preparatory to their being placed under a continuous maintenance contract with a reputable elevator manufacturing company.

As requested by the Prime Minister's Department and from information obtained from the various Departments of the Government Service, a series of Organization Charts were prepared and photostatic copies provided.

A new battery of coffee urns and a warming stand were provided and installed in the Civil Service Cafeteria to replace worn out and inadequate units. Temporary repairs were made to the dish-washing machine, sufficient to allow for continuance of its use until a new and larger machine could be purchased. A steam sterilizing device was improvised to meet Department of Health requirements. Dishes and other utensils were purchased to replace breakages, as required.

A program of repointing the joints in the exterior stone work was started during this fiscal year. Limited progress was made, owing to the difficulty of obtaining the necessary skilled labour.

General repairs were made to the boiler plant, including repairs to boilers, feed pumps, stokers, coal conveyor and ash conveyor, together with valves and other general accessories.

Subsidiary Buildings:

Minor General repairs in various trade branches, were carried out in the following buildings:

Numbers 11, 15 and 39 Queen's Park,
112 College Street,
454 University Avenue (Liquor Control Board)
807 Richmond St. W. (Sewage Laboratory)
Department of Highway's Garages, Surrey place and Leaside.
Department of Health Serology Laboratory annex and duplex residence
Mimico.

In addition to the above referred to general repairs to subsidiary buildings, the following work items are listed in this report for record purposes:

At No. 15 Queen's Park, space on the ground floor was remodelled and fitted out to provide a court room for the Labour Relations Board.

At the rear of *No. 39 Queen's Park*, the heating system of the garage and chauffeur's quarters was altered and improved and a hot water circulating pump installed. A large Elm tree, which was found to be in a dangerous condition and overhanging the aforementioned residence and garage, was removed.

At No. 112 College Street, the lease of the Mothercraft Society was terminated and the premises were repaired and fitted out to provide additional office space for Government Departments.

At No. 454 University Avenue, arrangements were made to place the passenger elevator under a continuous maintenance contract with a reputable elevator manufacturing company, for the reason given under previous reference to elevators in the Parliament Buildings. Repairs were made to the domestic water heating system and to the roof of this building.

At the Serology Laboratory, Mimico, a new chimney was built and a connecting corridor built between the two animal buildings. A heating unit was installed and pens were built for guinea pigs. General repairs were made to brickwork and roofing and plumbing fixtures and shelving installed.

Osgoode Hall:

For purposes of record, measured drawings were started of various important Architectural features of the Great Library.

General routine repairs, replacements and minor changes were carried out at these premises in most of the various trade branches. Apart from this general work program, the following items may be mentioned for purposes of record:

Repairs were made to the passenger elevator preparatory to placing it under a continuous maintenance contract with a reputable elevator manufacturing company, for the reason given under previous reference to elevators in the Parliament Buildings.

Repairs were made to the fire alarm system and a new master fire alarm box, with annunciator and three remote control stations, were installed.

The boiler stokers and the ash hoist were overhauled and repaired. The coal hoist was changed from hand to electrical operation.

EDUCATIONAL BUILDINGS

Normal and Model Schools, Toronto:

As noted in my previous annual report, these premises were loaned to the Department of National Defence, as of July 10th, 1941, for R.C.A.F. purposes.

These premises were returned to the Province as of July 12th, 1944 and are being used as a Rehabilitation Centre by the Department of Education under a Dominion-Provincial Training Program.

Repairs were made to boilers, pumps, stokers and other mechanical equipment and a new brick air duct installed in connection therewith.

The use of the former Earl Kitchener School on Pape Avenue, Toronto, as temporary quarters for Normal School work was continued during this fiscal year and general routine maintenance and repairs carried out, including repairs to the boilers and mechanical equipment.

Sketch plans and tentative estimate were prepared for a new Normal School Building for Toronto.

Normal and Model School, Ottawa:

These premises are still on loan to the Dominion Government and, as noted in my previous annual report, were loaned by the Province to the said Government as of November 1st, 1939.

The normal school classes are being carried on in temporary quarters located in the Mutchmor School in Ottawa.

Normal School, London:

Minor repairs were made to this building; two hallways painted and the program clock serviced.

Normal School, Hamilton:

General routine repairs and replacements were made to this building, including roof repairs and repairs and painting to dome over front pediment and to galvanized iron covering of entrance hoods. A new sidewalk was laid at the north end of the School and the walks at the south and main entrances repaired.

Minor repairs were made to boiler piping, and some drains were cleared and concrete floors repaired in connection therewith.

The electric clock system and the temperature control system were serviced.

Normal School, North Bay:

Minor repairs were made to furnace walls and stoker dead plates and a new domestic hot water tank installed, together with a steam heater coil unit, which was supplied from this Department's stores. A new electric sump pump was also installed in the basement. One sink and laundry tray was installed in the wash room on the main floor and one wall type drinking fountain provided in the basement. A kitchen sink was installed in the plant room. The program clock system was serviced by our staff electricians.

Normal School, Peterborough:

A contract was let for painting the library, Principal's office and wash room, and the Secretary's office and store-room adjoining also the Master's office and wash room adjoining and the lady teachers' office and wash room. In the lecture room the lighting was improved by raising the fixtures. Alterations were made to the platform in the lecture room and the blackboards were raised and the room painted. General repairs were made to the plumbing and roofing. A contract was awarded for installing switches and plugs for power equipment in the Manual Training room.

Repairs were made to the boiler brick settings and defective exhaust was renewed. Repairs were also made to the thermostatic heat controls.

Normal School, Stratford:

The defective wood shingles on the roof of the tool shed were replaced with red asphalt shingles. Seven obsolete toilets were removed and replaced with complete new fixtures and the plaster walls etc. repaired in connection therewith. Defective tubes in number 1 boiler were replaced and the boiler cleaned. Defective boiler feed pump piping to numbers 1 and 2 boilers was replaced. An obsolete toilet was replaced completely in the lavatory adjoining the Principal's office. The program clock system was serviced by Department's staff electricians.

Ontario School for Deaf, Belleville:

As noted in my previous annual report, these premises, omitting the farm division, one workshop building and the Bursar's residence were loaned by the Province to the Department of National Defence for R.C.A.F. purposes as of July 10th, 1941.

These premises were returned to the Province as of July 15th, 1944 and the work of restoring the said premises to the plan and condition which existed at the start of the Dominion's occupancy was carried well along by the Department during this fiscal year.

After consultation with the officials of the Dominion, arrangements were made by the Province, to terminate the leases of the various properties in Belleville which had been leased and fitted as temporary premises for this School during occupancy of the Original School by the Dominion. The work of restoring the said temporary premises was proceeded with according to the requirements of the various covering leases and as arranged with the owners in each case.

The temporary school premises referred to, are listed as follows:

Battery Building
St. Thomas Anglican Church Property
St. Thomas Anglican Church Parish Hall
Rankin residence
Clare residence
Lazier residence
Mouck residence
Bridge Street United Church (3 class rooms in basement)
Connor residence
Bull residence

In addition to the special program of restoration work carried out in connection with the original school buildings, the following ordinary repairs were made:

A new warm air furnace was installed in the Engineer's residence. The brickwork of boilers numbers 3 and 4 was repaired; the manholes in number 1 boiler reinforced and new parts installed in numbers 3 and 4 stokers. The electric program clocks were serviced by our staff electricians and two swinging check valves were replaced on the sewage system.

Ontario School for Blind, Brantford:

Repairs and replacements were made to conductor and eavestroughs on the main building and laundry and new T. & G. roofing laid over the girls' lavatory section. The power house chimney was repaired, cracks filled and the top replaced with a cement cap and lightning rods installed. The weather

vane on the tower was also repaired. The program clock and electric telephone systems were serviced by our staff electricians. The floor of the main hall of the hospital was overlaid with masonite and covered with linoleum. Minor repairs were made to boilers and two sets of worm flights supplied for stokers.

Ontario Training College for Technical Teachers, Hamilton:

During the fiscal year, these premises were used in co-operation with the Dominion Government for the various training purposes required by the Dominion in connection with present and post war requirements. After September 1944, the said premises were restored to their original use for the Department of Education.

After this date, a program of restoration was laid out and the work put in hand to fit the building for the opening of the regular classes for training Technical Teachers.

The roof flashings were repaired over the two storey section of the building and the roofs of the three storey block and the pent house were repaired. Repairs were made to furniture and linoleum tops installed on sewing tables. A contract was let for exterior and interior painting and finishing. Repairs were made to the plumbing and heating systems and a broken radiator replaced. Repairs were made to the stonework of entrance steps and to parapet wall over entrance. A rear fence was renewed.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph:

The major portion of the premises and buildings of this College, which had previously been on loan to the Department of National Defence, were returned to the use of the Province as of February 19th, 1945. After this date, arrangements were made to start the work of restoring these premises to the plan and condition of repair which existed at the time the buildings were originally loaned to the Dominion. The buildings returned to the Province are listed generally as follows:

- Watson Hall
- Garage
- McDonald Institute
- McDonald Hall
- Main dining hall and kitchen building
- Mills Hall
- Maids' dormitory building
- Trent Institute
- Administration and Students' residence
- Gymnasium
- Memorial Hall
- Skating rink
- Mechanics building
- Bursar's Hall
- Laundry building
- Engineer's house and garage
- Plumber's house

With respect to that part of the College premises which was not loaned to the Dominion, the following repairs were made:

General repairs were made and some repainting done. The number 1 Palm house portion of the greenhouses was reconditioned and painted including repairs to ventilator sash and iron work and replacement of some 150 lights of glass, which had been damaged by storm. Two concrete silos were designed and erected at the farm and an existing silo extended in height to replace old wooden silos. Alterations were made to the poultry building basement to provide for incubators and egg testing rooms. A weigh scale and a 40" extractor were purchased from the War Assets Corporation.

Ontario Veterinary College, Guelph:

General routine repairs were made to this building, including repairs to plastering and roofing. All glass was removed from the skylight and replaced, using mastic putty for bedding. The galvanized iron flashings were repaired and replaced where necessary and all such flashings, gutters and other metal work on the roof was painted.

Agricultural School, Kemptville:

The major portion of the premises and buildings of this College, which had previously been on loan to the Department of National Defence, was returned to the use of the Province as of May 1st, 1944. After this date, arrangements were made to start the work of restoring these premises to the plan and condition of repair which existed at the commencement of the Dominion's occupancy. The said restoration work was, for the major portion, completed during this fiscal year. The premises referred to above, which were returned by the Dominion to the use of the Province, included, generally, the following:

- Main and administration building, including steam boiler plant
- Students' residence
- Engineering building
- Judging pavilion (and main deep well water pump)
- Staff house number 1
- Staff house number 2 (and garage)
- Staff house number 3
- Sewage disposal plant.

In addition to the above referred to restoration work, other general improvements were carried out as follows:

Shingles and flashings were replaced on the north section of the piggery and tops of chimneys on the Superintendent's residence and the piggery were re-built. The kitchen in the students' residence was improved, including the sanding and covering of floor with linoleum and the installation of a new type, coal fired, cooking unit with modern utensils.

In the main building, a portion of the basement was fitted with plumbing, electric wiring, counters etc., for use as a Soils Laboratory according to the plans prepared.

In the Dairy Building, repairs were made to the plastering, boiler mounts overhauled and a new feed water injector installed.

Plans and specifications were prepared and tenders obtained for the construction of a new Seed Cleaning Plant but the work was not put in hand for economic reasons.

Working drawings were prepared for alterations to the Assistant Superintendent's residence.

Experimental Farm, Ridgetown:

Routine repairs were made generally to the buildings as required. At the Superintendent's residence new shingles were placed on the north side of the roof; new galvanized iron ridges installed on three hips and repairs made to vent pipe and flashings. In the kitchen a new plaster ceiling was applied on Gyproc lath and painted. The ceilings and walls of the office and downstairs wash room were painted. Walls and ceilings were repapered in the house for the farm help, after the old paper had been removed.

Horticultural Experimental Station, Vinelands:

Routine general repairs were made to the various buildings, including heating and plumbing repairs and repairs to roofs. New furnaces were installed in the Strong Cottage, and the Boarding House. Defective pipe in the steam line to the garage was removed and replaced; the stoker was overhauled and repairs made to the heating system in the greenhouse where defective traps were replaced. In the Boarding House a new 60 gallon tank heater was installed. The Administration Building and the Superintendent's residence was repainted.

Sketch plans were prepared and the working drawings started for a new Horticultural Products Processing Laboratory Building.

Working drawings and specifications were prepared and a contract let for the construction of a new sewage disposal plant, including a new system of main sewers and branch lines to replace the old and obsolete septic tank units.

Demonstration Farm, New Liskeard:

General routine repairs were made including repairs to roofs of the Poultry house and the barn. The main roof of the barn was painted and the roof on the Dairy Building was renewed. Repairs were made to a litter carrier pole and materials were ordered for a Colony House for poultry and for a new concrete pavement for the barnyard. A water heater was supplied to the Superintendent's residence.

DISTRICT BUILDINGS

Generally, the works progress in connection with these district buildings was kept to a minimum and provided for the carrying out of such work items as enumerated in the following sub-divisions:

Algoma:

Court House. During a severe wind storm, part of the tin roof on the east cornice was blown off. This was repaired, together with the parapet wall, which required rebuilding. An unused safe in the Court House was shipped to Bracebridge for use there.

Basement space was leased to the City of Sault Ste. Marie to provide offices for the City Police Department, the Magistrate's court and the use of detention cells. The alterations required in this connection were made and paid for by the said City. It was understood that the said basement space would only be required until such times as this temporary accommodation could be re-located in the proposed new City Hall.

Plaster repairs were made to some ceilings and the rooms painted and the woodwork of four entrance doors and lobbies varnished. The floor of the

Judges' Chambers on the second floor was refinished. Radiator traps were overhauled and new traps fitted to drips on steam lines.

At the Jail, new hot water circulating pipes were renewed and radiator valves and air vents overhauled. New grates were installed in the jacket heater. Three new prison type toilets were installed. Paint was supplied for general purposes.

Cochrane:

At the Court House, Cochrane, number 2 boiler was partly relined and repairs made to steam return mains. A new electrically operated sump pump was installed to replace a worn out water operated ejector. Some blinds were supplied for office windows and some master keys replaced.

At the Lock-up, Hearst, repairs were made to the pumping system for the water supply; new flooring was laid and covered with linoleum on the Magistrates' platform.

Working drawings were prepared and an extension was made to the living quarters of the Provincial Police Constable to give him an additional bedroom and closet space.

At the Lock-up and office Building, Matheson, interior painting was carried out. The space occupied by the Provincial Police, as living quarters on the second floor, was vacated and the space turned over to the Agricultural Representative for use as offices and a two section wood cabinet provided. The wiring in this building was changed by the Hydro Commission to feed through one meter for the entire building. Plumbing repairs and replacements were made as required.

Kenora:

At the Court House, Kenora, minor general repairs were made. The jury spaces were enlarged and the height of the prisoners' box lowered. A new cylinder lock was ordered for the front door. Some new radiators were installed in the basement for the Provincial Police and the ceiling in the Judges' retiring room was replastered. Bedding plants were ordered for the grounds. New grates were installed in one of the steam heating boilers. New linoleum was laid in the Janitor's apartment.

Working drawings were prepared to provide for new lavatory for the Judges and new lavatories for the public; the work was not put in hand due to labour conditions.

At the Jail, paint was supplied for exterior and interior painting. Five new prison locks were installed. A new set of grates was installed in the steam heating boiler and new fire door and grates for the jacket heater.

At the Jailer's residence, exterior and interior painting was done.

At the Government Building, Sioux Lookout, general minor maintenance and repair items were carried out and some additional radiation installed in the basement in section used by the Town Police.

Manitoulin:

Effective December 31st, 1944, the Gaol at Gore Bay was closed, the prisoners transferred to the Sudbury Jail and the building later occupied by the Provincial Police for residence purposes.

General repairs were made to the Court House and Registry Office Gore Bay, including improvements and re-arrangements in connection with the water supply systems and also including repairs to the return mains on the heating system.

Muskoka:

At the Court House, Bracebridge, minor repairs were made. Linoleum was laid in the Judges' retiring room and the Court Clerk's office and a desk lamp supplied for the Sheriff. The upper part of the chimney was rebuilt. A relief valve was installed on the hot water heating system.

At the Jail, Bracebridge, discarded steel shelving from the Registry office was installed in the Sheriff's vault. An unused safe was transferred to the Jail from the Court House, Sault Ste. Marie. Six new padlocks for cells were replaced.

Five new fire extinguisher hose and nozzles were provided for fire extinguishers in the above Court House and Jail.

At the Registry Office, Bracebridge, additional filing cabinets were provided.

Nipissing:

At the Court House, North Bay, extra shelving and one door was installed for the Department of Welfare to provide for additional storage space and additional shelves were installed for the Sheriff in the basement vault. New linoleum was laid on the stair landing, main downstairs hall and in the ladies' wash room and office of the Department of Game and Fisheries. Two lawn sprinklers and nozzles were ordered. Door mats were supplied. Rubber non-skid matting was put on the stairs. In order to increase the efficiency of the heating system of the Crown Timber Agent's office, on the ground floor, suitable piping was installed. Radiation was re-arranged in the Judges' Chambers to provide sufficient heat for the library section.

At the Jail, North Bay. Following the retirement of the matron of the Jail and the appointment of the Jailer's wife as Matron, quarters were provided on the second floor for the Jailer and his wife. Wiring was installed on this floor for an electric range and some cupboards installed. Five new type prison locks were installed to replace old type locks which were found to be insecure. Defective boiler tubes were replaced to provide proper means for introducing feed water treatment to boilers. A water pressure reducing valve was installed to reduce excessive pressure from City mains on the plumbing system.

At the Registry Office, North Bay, a wash room and store room were painted and lights and switches installed in the wash room. Storm sash were painted and minor repairs carried out. A coal chute was installed in the basement of this building.

Parry Sound:

At the Court House, Parry Sound, two new heating boilers which were installed last year were insulated and cleanout doors and frames, together with a new set of grates were installed for the jacket heater. In order to

conserve heat and prevent ice forming on the roof, the attic of the Court House was insulated.

At the Registry Office, necessary repairs and replacements were made to plumbing fixtures.

At the Jailer's house, decorating was done to bathroom, hallway and dining and living rooms.

At the Lock-up, Burks Falls, minor repairs only were made, including an 8" high raised platform for the Magistrate.

Rainy River:

At the Court House, Fort Frances, minor repairs were carried out. A new return pump was installed on the heating system and the reducing valves were overhauled.

At the Jail, Fort Frances, the steam reducing valves were removed from the Jail system and improvements made to the piping of the heating system. New grates were installed in the jacket heater. Twenty-four protective screens were installed on the windows to prevent articles being passed to the prisoners, by the public.

Sudbury:

At the Court House, Sudbury, accommodation was made for a Juvenile Court, including a Judges' private office and a general and private office for Court Officials. These offices were newly decorated and equipped with new lighting, linoleum on the floors and new furniture. A new storm porch was erected at the rear entrance. Shelving was installed in the Crown Attorney's vault. A cloak room, fitted with racks, was fitted out in the basement for use of the Jurors. A contract was awarded for painting a number of the offices, hallways and washrooms and linoleum was laid in several of the offices, including the Provincial Police offices and the Judges' room on the main floor. A directory sign for the various offices was provided in the main lobby. Repairs were made to roofs and plumbing fixtures renewed where required. Venetian blinds were ordered for the Court Room. Repairs were made to the heating system as required, including overhauling of radiator traps. The heating return mains were renewed and the layout improved in the boiler room. Two new stoker hoppers were installed to replace those worn out. Worn out thermostatic steam main drip traps were replaced by float and thermostatic drip type traps. New bridge walls and fire door ramps were installed in boiler furnaces. The boiler room was whitewashed.

Working drawings were prepared for alterations proposed to provide a library and a robing room for Lawyers. These alterations were not carried out, but some new furniture was purchased for the old quarters.

At the Jail, Sudbury, a new domestic hot water storage heater shell was purchased. Radiator traps were overhauled and new bellows installed where necessary and new float and thermostatic traps were installed on all steam main drips.

At the Registry Office, Sudbury, repairs were made to the heating return mains and radiator traps overhauled and renewed where necessary. Painting was done to all walls and ceilings on the ground floor, including the painting of two vaults and the steel shutters.

Temiskaming:

At the Court House, Haileybury, the furnace walls were re-lined and general minor repairs made, including some painting.

At the Jail, Haileybury, new type prison locks were installed to replace the old installations which were found to be insecure. Minor repairs were made to the cook stove and some painting done by the inmates. The locks on the doors leading to the guard's corridor were changed and keyed alike.

At the Lock-up at Elk Lake, minor repairs only were made, including cleaning of boilers and boiler mountings.

At the Lock-up at Englehart, a new jacket heater was installed to supply hot water for domestic and Jail purposes and new grates were supplied for hot water boiler.

At the Mining Recorder's Office, Swastika, a new set of grates were supplied for the boiler.

At Ontario Government Bldg., New Liskeard, minor repairs only were done, the boiler inspected and order given to have it cleaned and minor repairs made.

Thunder Bay:

At the Court House, Port Arthur, minor repairs were made, including a set of grates for jacket heaters; grass and flower seeds were provided for the grounds.

At the Jail, Port Arthur, the door leading to the Doctor's office was changed to a new location; new type prison locks were installed to replace the old flat key type which were found to be insecure. The other locks were also overhauled. Seventeen window screens were installed on basement windows to prevent the passing of articles to the inmates by the public. Minor repairs were made to plaster work, electric lights and some painting was done by the inmates. The furnace walls of boiler were repaired and the safety valve on number 2 boiler repaired and tested. A new heavy duty type steel range, with warming oven over, was supplied.

At the Registry Office, Port Arthur, minor repairs were made and some electric fixtures provided.

At the Registry Office, Fort William, blinds were renewed, where necessary and minor repairs made. The interior of the Registry Office was painted and some new electric light fixtures installed.

For District Jails, generally:

A standard detail drawing was prepared for typical prison lock installations.

ONTARIO HOSPITALS

Ontario Hospital, Brampton:

At the outbreak of the war a new Ontario Hospital for mentally ill tubercular cases was under construction at Brampton and the Administration Building had been completed. As mentioned in my previous report this new building and a portion of the hospital lands were loaned to the Department of National Defence and their occupancy was continued during this fiscal year. The remainder of the farm lands and the farm buildings are used and operated by the Department of Health. To provide a small pipe extension to the existing farm water service system across the railroad an agreement was entered into with the Canadian Pacific Railway, whose right-of-way traverses the property.

Ontario Hospital, Brockville:

General routine repairs were carried out, including repairs to roofs, replacement of rotted electric transformer poles and platform and the renewal of a burnt out transformer. Lightning arrestor protection was provided on the bank of six transformers. A new roof was laid over the boiler room and a new steel fire escape on concrete foundations was erected to provide an exit from the rear of the stage in the Assembly Hall.

Ontario Hospital, Cobourg:

General routine repairs were made including repairs to plaster work, roofs and sidewalks. New roofs were laid over the pump room and the auditorium and the roof boarding, which had rotted over the boiler house, was renewed and a new roof laid. Two ventilators were installed in the boiler house roof. A new dish washing machine was purchased and installed in the patients' dining-room.

Ontario Hospital, Fort William:

Routine repairs were made, including repairs to the chimney and roof of the main building. A new stable was erected to provide shelter for beef cattle. This stable was designed for a future hay mow addition, but the stable portion only was proceeded with during this fiscal year.

Ontario Hospital, Hamilton:

Routine repairs were made, including repairs and part renewals of roofs over the main building, Orchard House, East House, Morgue, Nurses' Residence, Paint Shop, Skating Rink and the Garage. Gutters and metal flashings were repaired on the Main Building, Milk House and the Queen Street Pump House. The wooden floor of the dressing room in the skating rink, which had rotted, was replaced in concrete and the heating and plumbing systems improved. A metal window sash was renewed in the main kitchen. Safety devices on the laundry elevator were inspected and new locks and interlocks were installed on the six hatchway doors.

Ontario Hospital, Kingston:

Rockwood. Routine repairs were made, including repairs and pointing of stonework on portions of the main building and the Occupational Therapy Building. Repairs were made to shelving in the stores and new additional shelving erected. The wood floor in the stores was removed and a concrete floor laid. A new shingle roof was laid over the skating rink and new metal ridge roll applied.

Mowat Wing. Routine repairs were made, including extensive repairs and renewals of shingling on the roof of the Patients' pavilions. A new reinforced concrete roof slab was erected over a portion of the boiler house and a new roof laid over the whole roof surface.

Ontario Hospitals, Langstaff and Concord:

At Concord. General routine repairs and renewals were carried out, including repairs to the garage, renewal of the roof on the cow barn and renewal of the electric wiring in the stable.

At Langstaff. General routine repairs and renewals were carried out, including repairs to the barn roof and the slate roofing on the patients' buildings. Electric wiring on the pole line, serving the farm buildings, was renewed and two electric motors overhauled and repaired. The high pressure steam

boilers were repaired. Steam radiation was installed in the sun rooms on the north end of the Main Building to provide additional bedroom accommodation for patients. An intensive survey was made of the water supply situation at this Hospital, following up a reported water shortage. A considerable leakage of water was discovered in the main supplying the staff residence. The faulty pipe was replaced and dis-used pump and well were put into commission to provide a more adequate water supply.

Ontario Hospital, London:

General routine repairs were made, including repairs to slate roofs on the Main Building and North Building and the roof over the Boiler House. Repairs were made to the bay windows of the Main Building. New boiler tubes were supplied and installed in number 4 boiler. A new felt and gravel roof was laid over the sun porch of ward 4, Main Building.

Ontario Hospital, New Toronto:

General routine repairs were made, including painting of eaves, metal flashings, ridge roll and tower on Main Building. The guy wires and pulleys were replaced and the flagpole painted. A contract was awarded for damp-proofing portions of the basements of Cottages A, B and L and the Main Building. A survey was made and a plot plan prepared of the Institution's cemetery. Materials were supplied for a new poultry house, the work of erection being done by the staff mechanics.

Ontario Hospital, Orillia:

General routine repairs were made, including extensive repairs and replacements of eavestroughing and down pipes and repairs to exterior brick-work. The ventilators on the Main Building were repaired.

Quantities were prepared and the materials ordered for the work of building a new 300 bed hospital for infirm cases and the work was carried forward during this fiscal year. Progress details and specifications were prepared as the work progressed; tenders were called for and the sub-trades of the general contract, as well as the separate mechanical trades and contracts for the work awarded. Details and specifications were prepared for the necessary equipment and furnishings and tenders were called for and contracts awarded in this connection. Progress was retarded by shortages of labour and materials.

Ontario Hospital, Penetanguishene:

Routine repairs were carried out, including repairs to the water tower standpipe and frost casing. A large portion of the piggery roof was rebuilt, following damage by fire. Five new fire hydrants were supplied. Alterations were carried out in Cottage B, including installation of a quarry tile floor and new lavatory facilities for a new bed case ward.

Ontario Hospital, Port Arthur:

At the outbreak of the war a new Ontario Hospital for the mentally ill was under construction at Port Arthur and the Administration Building had been completed. This building and the hospital lands were loaned to the Department of National Defence. Since the return of these premises to the Province on February 15th, 1944 the Department of Health have operated this unit as an annex to the Ontario Hospital, Fort William. Routine repairs were made during this fiscal year.

Ontario Hospital, Toronto, (999 Queen St. W.):

General routine repairs were made, including repairs to the covered passage-way to the kitchen; repairs to metal flashings and brickwork at the roof level of the main building; extensive repairs to greenhouse and temporary repairs to the brick wall along the southerly boundary of the property.

Extensive alterations to the building and mechanical services were carried out in old cottage A to provide much needed additional office accommodation for the Department of Health.

Psychiatric Hospital, Toronto:

General routine repairs and mechanical service maintenance was carried out by the Public Works Department staff mechanics in all trade branches. A new mastic tile floor was laid in the main entrance corridors and in two small rooms adjoining this corridor, replacing a coloured asphalt floor, which had deteriorated.

Ontario Hospital, Whitby:

General routine repairs were made including extensive repairs and renewals of roofs over Boiler House, Dining Hall number 1, Grove House, barn and root house and new eavestroughing was erected on Dining Hall number 2 and the Nurses' Residences. Repairs were made to quarry tile floors and dadoes in the main kitchen, Infirmarys and Pavilions. Exterior stucco work, brickwork and tile roofs generally were repaired. Storm sash were installed on the Nurses' Residence. Plaster repairs were made to the walls and ceilings of patients and staff buildings throughout the Institution. A contract was let for reroofing the west wing of the Male Acute Pavilion. Two new electric bake ovens were installed in the Central Dining Halls. Two new hot water storage heaters were installed to replace worn out units in the Reception Building.

Ontario Hospital, Woodstock:

Adult Group. General routine repairs were made, including repairs to roofs of cow barn and Assembly Hall, repairs to Power House chimney stack were also made. Alterations were carried out in the Assembly Hall to provide rooms for occupational therapy, including new lavatory facilities. The Superintendent's residence was redecorated and a small wash room installed. Hardwood flooring was laid in the Engineer's residence. Alterations were made to the male and female pavilions to provide separate admission and infirmary units complete with lavatory facilities.

Tuberculosis Division. Routine repairs were made and the alterations were carried out in the basement of the Administration Building to provide a laboratory unit complete with laboratory fittings, refrigeration, plumbing and heating services.

Ontario Hospital, St. Thomas:

As mentioned in the previous report, these hospital lands and premises, excluding the farm, are still on loan to the Department of National Defence. The Department of Public Works has retained at St. Thomas, certain stores of equipment and furniture, originally purchased for use in this Hospital and from time to time has loaned articles required by the R.C.A.F. from these stores on requisition and has also supplied certain requirements of other Ontario Hospitals and Institutions from these stores. A new roof was laid over the farm residence, which, together with the farm, remains for the present under the control of this Department.

EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Generally, plans were examined and recommendations forwarded to the Department of Health in connection with proposed new construction, alterations and additions to General Hospitals, Hospitals for Incurables, Red Cross Hospitals, Sanatoria and Private Hospitals.

Proposals of various kinds were dealt with this fiscal year in connection with the following:

General Hospitals:

Arnprior.....	Arnprior and District
Chesley.....	Memorial
Collingwood.....	General and Marine
Grimsby.....	West Lincoln Memorial
Hamilton.....	General
Haileybury.....	Misericordia
Kingston.....	General
Kitchener.....	Kitchener-Waterloo General
London.....	Victoria
Newmarket.....	York County
Niagara Falls.....	Niagara Falls General
North Bay.....	Queen Victoria Memorial
Ottawa.....	Salvation Army Grace
Peterborough.....	St. Josephs
Sarnia.....	St. Josephs
St. Catharines.....	General
Sturgeon Falls.....	St. Jean de Brebeuf
Sudbury.....	St. Josephs
Toronto.....	East General
	Riverdale Isolation
	Hospital for Sick Children
	Sunnybrook Park
	Wellesley
	Women's College
Niagara-on-the-Lake.....	Cottage Hospital
Windsor.....	Hotel Dieu
	Salvation Army Grace
Wingham.....	Wingham General

Hospitals for Incurables:

Ottawa.....	St. Vincent Hospital
Toronto.....	Queen Elizabeth Hospital
	Runnymede
Windsor.....	East Windsor

Proposed Hospitals:

Aurora.....	Fleury Estate (proposed Chronic)
Brampton.....	Coombs Estate (proposed Chronic)
Little Current.....	St. Josephs
Sudbury.....	General (Stafford House)
Winchester.....	Winchester General
Wiarton.....	Wiarton General

Sanatoria:

Fort William	Fort William Sanatorium
St. Catharines	Niagara Peninsula
Sudbury	(proposed site)
Weston	Weston Sanatorium

Red Cross Hospitals:

Bancroft and Northern Ontario

Private Hospitals:

Campbellford	Campbellford Private Hospital
Central Patricia	Central Patricia Gold Mines
Cobourg	Brookhurst Convalescent
Elmira	Turner Private Hospital
Favourable Lake	Berens River Mines Private Hospital
Havelock	Havelock Private Hospital
Little Britain	Little Britain Private Hospital
London	Rogers Private Hospital
Markdale	Markdale Private Hospital
Marathon	Wilson Memorial
McKenzie Island	McKenzie Red Lake Gold Mines
Midland	Midland Convalescent
Milton	Milton Private Hospital
Moosonee	Assumption Private Hospital
Pickle Crow	Pickle Crow Gold Mines Private Hospital
Port Perry	Port Perry Private Hospital
St. Catharines	Bellevue Convalescent
Sarnia	Carruthers Clinic Private Hospital
Stouffville	Brierbush Private Hospital
Toronto	Huntley St. Nursing Home
Waterford	Waterford Private Hospital
Whitby	Whitby Private Hospital

Proposed Private Hospitals:

Campbellford	Mrs. F. I. Peters
Creemore	Creemore
Meaford	Meaford Cottage
Red Lake	Red Lake District

Drawings and studies prepared for work of special nature for Department of Health:

Tentative sketch block plans were prepared for a new mental defective hospital for Eastern Ontario.

Sketch plans were prepared for a proposed addition to the main administration building of the Ontario Hospital, Woodstock.

Typical drawings were prepared for Health Service Centres for Schools.

Sketch plans were prepared for a health laboratory for the General Hospital, Stratford and for the City of Windsor.

Further typical detail drawings were prepared for a standard nursery cubicle.

A typical detail drawing was made in connection with replacement of doors for Ontario Hospital, Whitby.

Detail drawings were prepared for a safety chair, as requested by the Department of Health.

A Physician's register was designed and made for the Hospitals Division.

Detail shop drawings were prepared for two sizes of Serological water baths.

ONTARIO REFORMATORIES

Andrew Mercer Reformatory, Toronto:

Minor repairs were made to the roof of the Main Building and the underground electrical cable to the entrance gate lights, was repaired.

Ontario Reformatory, Mimico:

The main group of buildings and part of the farm lands, mentioned in my previous report as being on loan to the Department of National Defence, were returned to the use of the Province as of May 1st, 1944.

The shale quarry, which had become flooded during the Dominion's occupancy, was pumped out preparatory to resuming brick making operations at this plant. The work of restoring these buildings, following the Dominion's occupancy was carried out.

Industrial Farm, Monteith:

As noted in the previous annual report, this Institution is on loan to the Department of National Defence and their occupancy was continued during this fiscal year.

Industrial Farm, Burwash:

Working drawings for a new four family house were provided. The work of erection to be undertaken by staff mechanics and the inmates at this Institution.

Ontario Reformatory, Guelph:

On the expiration of an existing agreement, a new agreement was drawn up and executed in connection with the railroad siding and trestle bridge over the Speed River at this Institution.

ONTARIO TRAINING SCHOOLS

Boys' Training School, Bowmanville:

As noted in the previous report, this Institution is on loan to the Department of National Defence and their occupancy was continued during this fiscal year.

The premises in Bowmanville known as the "Senkler House" and the "Alexander House" which were previously leased for use as temporary quarters for this School, are still in use for this purpose.

General routine repairs were carried out at these temporary quarters and some minor alteration work undertaken, including the installation of wooden shelving and lockers for the boys' personal effects.

A new wooden fire escape was erected at the Senkler House and wire guards were placed on three detention room windows.

Girls' Training School, Galt:

This Institution is still on loan to the Department of National Defence and the leased premises in Cobourg, known as the "McCook and Haas Houses" were continued in use as temporary school quarters.

General routine repairs were carried out at these temporarily leased premises, including repairs to furnaces, stokers and circulating fans. The refrigeration equipment was repaired and a grease trap installed in the kitchen of the Haas House.

A new heavier gauge electrical feeder cable was erected to serve these premises and the house service wiring increased to provide for two new electric ranges.

Wooden fire escapes were erected on the Haas and McCook houses to improve the exit facilities from the second floor levels.

A new heating boiler was installed in the Haas House and the heating system redesigned and improved. One of the buildings on the grounds of this property was remodelled to provide a gymnasium for the girls and living quarters for some staff members. Work on the new septic tank and distribution bed at this house was carried on during this fiscal year.

FISH HATCHERIES

At Hill's Lake, Hatchery, the dams were repaired.

DEPARTMENT OF HIGHWAYS BUILDINGS

The following work was done by this Department at the request and direction of the Department of Highways:

Drawings and inspections were made in connection with the completion of the construction of a garage at North Bay.

Preliminary sketches were made for a proposed Divisional Office, North Bay.

Working drawings and specifications were prepared for Garage at Stratford.

Typical plans and specifications were prepared for a double snow plow shed.

A study was made for expansion of accommodation at Bancroft for a Divisional Garage.

Improved systems of heating, water supply and drainage were installed at the Rouge and Port Credit Division yards to improve the existing services.

Sketch plans were prepared for proposed alterations and additions to the equipment garage and workshop at Leaside, including inspections and specifications for minor repairs required.

Sketch plans were prepared for a proposed Highway's Testing Laboratory Building.

Sketch plans were prepared for a proposed Implement Storage building at Blind River.

Inspections were made of Scale House buildings at West Hill and on Queen Elizabeth Way.

Inspections were made of property for proposed divisional yards and sand bins at Barrie, Churchhill, Midhurst and Beaverton.

Inspection visit to American laboratories at Chicago, Indianapolis, Jefferson City, St. Louis and Madison was made along with the Testing Engineers of the Department of Highways.

Inspections were made of Garage at Ottawa, and Garage and Paint shop at Beamsville (Hamilton Division).

Inspection was made of Electric Service Building, Brown's Line for proposed alterations.

PROVINCE OF ONTARIO SAVINGS OFFICES

Plans were prepared for alterations to the Savings Office in St. Catharines.

Sketch plans were prepared to provide an extra cage and some additional ledger counters for the Savings Office on King Street, East, Hamilton.

Layout was prepared for new fluorescent lighting installation for Savings Office University and Dundas Streets, Toronto.

Sketch layout was prepared for New Savings Office, St. Catharines.

Working drawings were prepared for alterations to banking counters to provide for installation of new type accounting machines at Savings Office, Bay and Adelaide Streets, Toronto.

Co-operation was given in the usual manner to the Head Office Management of the Savings Offices in the matter of general routine maintenance and repair work at the branches where such work was requested and renewals of expiring leases were negotiated and arranged as directed.

DRAWINGS AND REPORTS PREPARED AND OTHER WORK RENDERED FOR THE DEPARTMENT OF LANDS AND FORESTS

At new Experimental Station, Richmond Hill:

Working drawings were prepared, bills of materials computed, assistance given in the matter of purchasing materials and inspection and general co-operation given in connection with the erection of a Files Storage Building and an Experimental Station and Repair Shop for Forestry Protection work.

For Forestry School, St. Norah's Lake:

Plans were reviewed and report prepared in connection with a proposed central heating plant and distribution system.

MISCELLANEOUS

Ontario Government Building, Kingston:

General routine repairs were made, including:

Plaster repairs were made at stairway; four window screens and one storm sash installed. The windows and doors of the first floor were caulked. The stairway and part of the second floor hall was painted and electric outlets and fixtures installed at the stairway, at the rear of the building and at the elevator shaft. Nine fire extinguishers were installed. Repairs were made

to boilers, including renewal of blow down piping, boiler manhole gaskets, repairs to fire door arch to number 1 boiler and installing tubes in numbers 1 and 2 boilers. A new catch basin and iron cover was installed.

Potato Storage Warehouse:

At the request of the Department of Agriculture, working drawings were prepared for a proposed new potato storage warehouse for Cochrane.

Cheese Factories:

At the request of the Department of Agriculture, sketch plans were prepared and photostated to small scale, to show various types of typical cheese factories.

Wartime Day Nurseries:

At 95 Bellevue Ave., Toronto

Inspections were made and minor repairs made, including the installation of an additional radiator. One room was divided forming two offices and a window installed in connection therewith.

At Westminster Presbyterian Church, 150 Floyd Ave., Toronto:

In connection with the basement used for a Day Nursery, an officer of our Department inspected these premises and reported on the heating, and a copy of the report sent to the Wartime Nursery Branch of the Department of Welfare.

T. & N. O. Railway:

Sketch plans were prepared for a proposed new building at Moosonee.

Department of Mines:

Working drawings were prepared for a Mine Rescue Station for Geraldton.

BOILER INSPECTIONS

The boiler inspection work of this Department was carried out by the Heating Engineer, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings.

Excluding the plants which have been loaned to the Department of National Defence for their own operations and responsibility in connection with the Institutions loaned for purposes of the present war, the inspection work covered this year under the above heading may be described as follows:

The boilers and boiler equipment and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and materials needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and the Ontario Reformatories, the reports, as

referred to, were sent to the Departments of Health and Provincial Secretary respectively for their attention in the matter of making the repairs recommended.

The recommendations contained in these reports regarding plants in all the other building groups, referred to in this section, were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,
Chief Architect.

Toronto, March 31st, 1945.

REPORT OF THE ENGINEER

THE HONOURABLE G. H. DOUCETT, M.P.P.,

Minister of Public Works,
Parliament Buildings.

SIR:

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1944, to March 31, 1945.

All work was done by day labour under local foremen employing local men wherever possible.

The usual maintenance of locks, dams, docks and navigable channels was carried out. Dollars Dam, which was started in 1943, was completed, and drainage work was done in ten districts.

Maintenance work was as follows:

Buoys:

All buoys on navigable channels taken out by ice and spring floods were replaced to make the channels safe for navigation.

Port Carling Locks:

Considerable repairs were made to the old wooden locks and docks. A large section of the dock had to be renewed with timber and plank, and the lock gates were repaired.

Port Sandfield Dock:

The dock on the south side of the channel had become very rotten and unsafe. It was renewed with timber and plank. Repairs were also made on the north dock.

Bala Dam:

A large part of the deck of the south dam was renewed with 3-inch cedar plank.

Baptiste Lake Dam:

This is a concrete dam and was built about 15 years ago. On the west wing wall a section of concrete 60 feet long and 4 feet deep had broken loose due to the action of frost, ice and log jams. This loose section was removed and fresh concrete, well rock bolted to the old concrete, was put in. Several cracks had developed in the wall and these were filled to prevent frost action doing more damage to the dam.

This is an important dam as it provides considerable storage water for the Hydro Plants on the Madawaska River and also provides navigation on the lakes above it.

Pickrel River:

The navigable channel provided by the Pickrel River Dam built in 1942 was considerably hampered by a shallow section at the upper end of Stanley Lake. The bottom was boulders and solid rock and power boats had to be paddled through this channel or they were liable to break their propellers. These boulders and some solid rock were blasted out to give sufficient depth for all boats. This has greatly improved the waterway.

Scott Dam on Restoule River:

This is a timber dam and during the spring floods of 1944 a large log jam was allowed to form above it which swept away the deck and the equipment for lifting the stop logs. A new deck was put on and new equipment provided for lifting the stop logs.

Repairs were also made to Huntsville Locks, Tasso Lake Dam, Kashee Lake Dam, Moose Lake Dam and Camp Lake Dam.

Dollars Dam:

Work on a new concrete dam on the north channel of the Pickerel River was started in 1943 but owing to the labour situation and the shortness of the season in which work could be done, the dam was only about one-half completed. Work was resumed in the spring of 1944 as soon as flood conditions permitted and the dam was completed in the fall.

This dam is about 425 feet long with wing walls, and is 18 feet high at the sluiceways. It has two sluiceways 18 feet wide each, provided with 12x12 inch timber stop logs for regulating the flow of water. Two steel winches are provided for handling the stop logs. It has a timber deck of stringers and 2 inch plank.

Mr. T. J. Paget, Foreman of Public Works, was in charge of the work.

It is the intention of the Department to rebuild the dam on the south channel in 1945. It is a much smaller dam.

Municipal Drainage:

Municipal Drainage was carried out in the following districts: Simcoe Centre, Muskoka, Parry Sound, Nipissing, Sudbury, Haliburton, Peterborough, Addington, Renfrew South and Renfrew North.

*Provincial Aid to Drainage:**Morden Drain, Aldborough and Orford Townships:*

This drain was improved by the Township of Aldborough in accordance with the Municipal Drainage Act, according to the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham, Ontario.

The work consisted of cleaning out the old drain by deepening and widening it from the road between the Gore and Concession 6, on lot 1 of the Gore in Aldborough Township, to the road south of the Middle Road in the Township of Orford, a total distance of a little over 5 miles. It has a bottom width of 6 feet at the upper end and 10 feet at the lower end with side slopes of one to one.

The estimated cost of this work was \$8,291.00, which amount was assessed by the Engineer on the lands and roads affected in the Townships of Aldborough and Orford. The final cost as certified to by the Treasurer of Aldborough Township was \$10,104.93.

The drain was examined and found completed in a satisfactory manner and on report a grant of \$2,020.99 was paid the Township of Aldborough, the initiating municipality, in accordance with the Provincial Aid to Drainage Act.

Lloyd Drain, Concession D, Mersea Township:

This is a pumping scheme in which low-lying land is drained by pumping the water over the embankments which surround it. The drains carrying

the water to the pumps had become filled in with sediment so that they could not drain the land properly. The embankments had settled and washed away so that there was a danger of high water breaking through them and flooding the land.

These drains and embankments were repaired by the Township of Mersea according to the report, plans and specifications prepared by Mr. C. G. R. Armstrong, Civil Engineer, of Windsor, Ontario.

The repairs consisted of excavating the drains to the proper depth and width. The excavated material was deposited on the embankments to raise and widen them and make them safe.

The estimated cost of this work was \$13,060.00, which amount was assessed against the lands affected in the marsh. The final cost as certified to by the Treasurer of the Township was \$12,815.00.

This work was examined and found completed in a satisfactory manner. On report a grant of \$2,563.00 was paid the Township of Mersea in accordance with the Provincial Aid to Drainage Act.

Fields Creek Drain, Howard and Harwich Townships:

This drain was improved by the Township of Howard in accordance with the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham, Ontario.

The work consisted of cleaning out the old drain by deepening and widening it from the line between lots 16 and 17, Concession 6, Howard Township, in a westerly direction to lot 20, Concession 3 R.T., Harwich Township. The total length of drain improved was a little over 11 miles. It has a bottom width of 3 feet at the upper end, widening to 12 feet at the lower end, with side slopes of one to one. Considerable brush, trees and rubbish had to be removed along the course of the drain.

The estimated cost of this work was \$14,795.00, which amount was assessed on the lands and roads affected in the Townships of Howard and Harwich. The final cost as certified to by the Treasurer of Howard Township was \$14,797.00.

This drain was examined and found completed in a satisfactory manner. On report a grant of \$2,959.40 was paid the Township of Howard, the initiating municipality, in accordance with the Provincial Aid to Drainage Act.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER,

Engineer of Public Works.

Toronto, March 31, 1945.

Department of Public Works, Ontario,
TORONTO, March 31st, 1945.

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works, Ontario.

SIR:

I have the honour to submit the following statement showing the several contracts entered into with His Majesty during the twelve months ending March 31st, 1945, in connection with Public Buildings and Works, subject to the control of the Public Works Department of Ontario.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Secretary and Accountant.

STATEMENT NO. 26

Showing the several contracts entered into with His Majesty during the twelve months ended March 31, 1945, in connection with Public Buildings and Works, subject to the control of the Department of Public Works, Ontario.

Date	Location of Work	Subject of Contract	Contractors	Amount
April 1, 1944	Legislative and Departmental Bldgs.	Supply labour and material to put all elevators in good order	Otis-Fensom Co. Ltd., Toronto	\$4,140.00
April 1, 1944	Legislative and Departmental Bldgs.	Complete maintenance of 13 elevators	Otis-Fensom Co. Ltd., Toronto	688.00 per month
April 1, 1944	Legislative and Departmental Bldgs.	Complete maintenance of elevator south end of North Wing.	Otis-Fensom Co. Ltd., Toronto	27.00 per month
April 11, 1944	Osgoode Hall	Complete maintenance of elevator	Otis-Fensom Co. Ltd., Toronto	27.75 per month
April 25, 1944	Ontario Hospital, Orillia	Installation of Plumbing System in the 300 Bed Hospital Group	John Fraser, Esq., Toronto	Lump sum fixed fee 825.00
April 25, 1944	Ontario Hospital, Orillia	Installation of Heating System in the 300 Bed Hospital Group	John Fraser, Esq., Toronto	Lump sum fixed fee 890.00
April 25, 1944	Ontario Hospital, Orillia	Installation of an Electric System in the 300 Bed Hospital Group	Harris and Marson, Toronto	Lump sum fixed fee 1,100.00
April 27, 1944	Ontario Hospital, Orillia	218 Trane Convector Heaters and cabinets for 300 Bed Hospital Group	Trane Company of Canada, Ltd., Toronto	5,045.00
May 8, 1944	Ontario Hospital, Orillia	Supply metal doors and frames and observation window frames for 300 Bed Hospital Group	Otis-Fensom Co. Ltd., Toronto	1,847.00
May 15, 1944	454 University Ave.	Complete maintenance of elevator	Otis-Fensom Co. Ltd., Toronto	17.75 per month
June 5, 1944	Ontario Reformatory, Mimico	Pump out water from quarry	H. A. Wickett Co. Ltd., Toronto	1,480.00
June 7, 1944	Ontario Hospital, Orillia	Supply and erection of flat deck roofing and sheet metal work and the application of rigid asbestos shingles for the 300 Bed Hospital Group	Wheeler and Bain, Toronto	11,654.00
June 13, 1944	Ontario Hospital, Orillia	Lathing and Plastering of the 300 Bed Hospital Group	Herbert Thomson and Son, Hamilton	21,523.00
June 15, 1944	Ontario Agricultural College, Guelph	Renovate No. 1 Palm House	Lord and Burnham Co. Ltd., St. Catharines	2,870.00
July 7, 1944	Ontario Hospital, Orillia	Supply and installation of Refrigeration and insulation work for the 300 Bed Hospital Group	Linde Canadian Refrigeration Co. Ltd., Toronto	2,439.00
July 13, 1944	Ontario Hospital, Orillia	Supply and installation of Terrazzo, Marble and Tile work for the 300 Bed Hospital Group	Terrazzo Mosaic and Tile Co. Ltd., Toronto	18,488.00

STATEMENT NO. 26 (Continued)

Date	Location of Work	Subject of Contract	Contractors	Amount
July 13, 1944	Agricultural School, Kemptville	Aga Cooker Heat Storage equipment and utensils	Aga Heat (Canada) Ltd., Toronto	\$1,935.85
Aug. 1, 1944	Agricultural School, Kemptville	Painting and decorating of the Administration Building, Students' Residence, Staff Residences and Dairy Building	Holmes Construction Co., Kemptville	
Aug. 8, 1944	Ontario Hospital, Kingston	Re-shingling of roofs of pavilions 1, 3 and 5 and Occupational Building	Edward Peters, Kingston	8,195.00
Aug. 8, 1944	Ontario Hospital, Kingston	Replacing roof of boiler house at Mowat Wing	Bews and Friendship, Kingston	4,207.65
Aug. 18, 1944	Ontario Hospital, Orillia	Supply and application of Linoleum dado finish for the 300 Bed Hospital Group	Newton-Croxall Ltd., Orillia	1,542.35
Sept. 6, 1944	Ontario Hospital, Orillia	2 Steam tables and other kitchen equipment for 300 Bed Hospital Group	Wrought Iron Range Co. Ltd., Toronto	2,902.50
Sept. 6, 1944	Ontario Hospital, Orillia	4 Food Conveyors and other equipment, for 300 Bed Hospital Group	General Steel Wares Ltd., Toronto	5,623.00
Sept. 27, 1944	Ontario Hospital, Woodstock	Alterations to basement of Assembly Hall	James A. Vance, Esq., Woodstock	2,441.00
Sept. 27, 1944	Ontario Hospital, Woodstock	Alterations to basement for T.B. Division	James A. Vance, Esq., Woodstock	3,300.00
Sept. 28, 1944	Ontario Hospital, Orillia	Supply and delivery of main primary and secondary distribution unit for 300 Bed Hospital Group	Amalgamated Electric Corporation, Ltd., Toronto	1,000.00
Oct. 26, 1944	Normal School, Toronto, (50 Gould St.)	Painting and decorating of west end of centre building	Phinnemore Painting and Decorating Co. Ltd., Toronto	1,322.00
Oct. 30, 1944	School for the Deaf, Belleville	Ash handling equipment	Stephens-Adamson Mfg. Co. Ltd., Belleville	1,833.30
Nov. 14, 1944	Horticultural Experiment Station, Vineyards	Construction of a Sewage Disposal Plant	R. A. Blyth, Esq., Toronto	1,721.18
Nov. 16, 1944	Ontario Hospital, Cobourg	Renew roofs on pump house, boiler room, and auditorium	C. J. Smith, Esq., Port Hope	9,752.00
Nov. 27, 1944	Ontario Hospital, Orillia	Supply and install attic ventilation system for 300 Bed Hospital Group	A. E. Furnival, Esq., Toronto	1,178.50
Nov. 29, 1944	Ontario Training College for Technical Teachers	Painting and decorating	E. J. St. Clair, Esq., Ingersoll	1,665.00
Dec. 29, 1944	Ontario Hospital, Kingston	Re-shingling main roof of skating Rink	Edward Peters, Kingston	4,115.00
				2,560.00

STATEMENTS
of the
ACCOUNTANT
of
Public Works Department
1944 - 1945

Department of Public Works, Ontario,
TORONTO, March 25th, 1946.

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works.

SIR:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Public Buildings and Public Works, during the fiscal year which ended on the 31st of March 1945.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,
Secretary and Accountant.

SUMMARY OF EXPENDITURE
FOR FISCAL YEAR APRIL 1st., 1944 to MARCH 31st., 1945

SERVICE	ORDINARY	CAPITAL	TOTAL
Main Office—Administration expenses, etc.	\$143,924.71		\$143,924.71
Maintenance and Repairs—Government Buildings..	712,526.14		712,526.14
Public Works—Maintenance	14,923.33		14,923.33
Public Buildings		\$325,189.67	325,189.67
Public Works		14,614.54	14,614.54
Statutory—Drainage Aid.	7,543.39		7,543.39
Special Warrants	1,857.00	13,441.47	15,298.47
TOTAL NET EXPENDITURE	\$880,774.57	\$353,245.68	\$1,234,020.25

STATEMENT OF REVENUE

Commissions on telegraphs and telephones	\$2,997.97	\$2,997.97
Sale of materials	5,972.08	5,972.08
Sale of produce and stock	43,841.08	43,841.08
Rentals	29,085.10	29,085.10
Perquisites	1,986.00	1,986.00
Building equipment	167.80	167.80
Miscellaneous	180.26	180.26
Compensation from Dominion Government re leasing of Provincial buildings for war purposes	35,508.36	35,508.36
Payment by Dominion Government of fire insurance premiums on Provincial buildings leased for war purposes	5,018.06	5,018.06
Refunds—Miscellaneous	137.16	137.16
Contract security deposit		1,000.00
	\$124,893.87	\$125,893.87

TORONTO, March 25th., 1946.

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st., 1945

ORDINARY

MAIN OFFICE:	SERVICE	AMOUNT	AMOUNT
Salaries		\$78,005.94	
Travelling expenses		1,378.98	
Maintenance		4,392.16	
Insurance and lightning rods		159.22	
Compensation, medical, hospital and other accounts for workmen injured in Government work, as awarded by The Workmen's Compensation Board, including proportion of administration expenses		2,813.04	
Cost of living bonus—entire Department		56,727.52	
Unemployment Insurance Stamps		447.85	
			\$143,924.71
GENERAL SUPERINTENDENCE:			
Salaries		\$11,955.64	
Services, travelling and other expenses		5,138.67	
			\$ 17,094.31
LIEUTENANT-GOVERNOR'S APARTMENT:			
Salaries		\$3,062.50	
Maintenance		705.72	
			\$ 3,768.22

SERVICE	AMOUNT	AMOUNT
LEGISLATIVE AND DEPARTMENTAL BUILDINGS:		
Administrative Services—		
Salaries—Permanent.....	\$18,452.81	
Temporary.....	6,100.28	
		\$24,553.09
Telephone service.....		43,112.16
Typewriter inspection and repairs for all Depts. . .		4,328.71
Maintenance Staff—		
Salaries—Permanent.....	\$59,373.92	
Temporary.....	116,794.89	
Casual.....	30,321.11	
		206,489.92
Maintenance—		
Fuel, light, gas, water and power.....	\$65,058.69	
Cleaning supplies, upkeep of grounds.....	17,578.96	
Furniture, furnishings and equipment for buildings	2,943.08	
		85,580.73
Mechanical Staff—		
Salaries.....	4,981.17	
Repairs and alterations.....	96,225.15	
		\$465,270.93
Deduct Rentals.....		3,000.00
		\$462,270.93
OSGOODE HALL:		
Salaries—Permanent.....	\$ 12,699.87	
Temporary.....	9,027.56	
Casual.....	4,583.00	
		\$26,310.43
Maintenance—		
Fuel, light, water and power.....	\$3,868.33	
Furniture, furnishings and equipment.....	42.50	
Telephone service.....	2,771.99	
Cleaning of buildings and incidentals.....	731.86	
General repairs and alterations.....	6,758.15	
		14,172.83
		\$40,483.26
EDUCATIONAL BUILDINGS:		
Repairs and incidentals—		
Toronto Normal and Model Schools.....	\$15.06	
London Normal School.....	152.49	
Hamilton Normal School.....	1,185.73	
Peterborough Normal School.....	787.51	
Stratford Normal School.....	640.37	
North Bay Normal School.....	324.77	
School for the Deaf, Belleville.....	1,772.18	
School for the Blind, Brantford.....	649.94	
Ontario Training School for Technical Teachers, Hamilton.....	1,407.17	
General—To provide for repairs, installation of boilers and heating plants in buildings and fire protection.....	1,780.75	
		\$8,715.97
To provide for expenses in connection with leasing of the Normal School, Ottawa to the Dominion Government.....		49.99
		\$8,765.96

SERVICE	AMOUNT	AMOUNT
AGRICULTURAL BUILDINGS:		
Repairs and incidentals—		
Ontario Agricultural College, Guelph	\$ 2,772.64	
Ontario Veterinary College, Guelph	983.20	
Horticultural Experiment Station, Vineland	383.97	
Western Ontario Experimental Farm, Ridgetown	5.50	
Agricultural School, Ridgetown	152.25	
Agricultural School, Kemptville	1,322.06	
New Liskeard Demonstration Farm	1,609.06	
General—To provide for repairs, installation of boilers and heating plants, etc.	830.46	
		\$ 8,059.14
TRAINING SCHOOLS:		
Repairs and incidentals—		
Ontario Training School for Boys, Bowmanville	\$ 142.61	
Ontario Training School for Girls, Galt	133.37	
General—To provide for repairs, installation of boilers, etc.	62.20	
		\$ 338.18
DISTRICT BUILDINGS:		
Repairs and alterations, furniture and furnishings and improvements to grounds for all District Buildings:		
Algoma	\$ 2,186.00	
Cochrane	311.63	
Kenora	1,012.55	
Manitoulin	44.02	
Muskoka	440.85	
Nipissing	960.51	
Parry Sound	414.79	
Rainy River	278.84	
Sudbury	7,938.65	
Temiskaming	552.91	
Thunder Bay	2,511.15	
General—To provide for repairs, installation of boilers and heating plants and fire protection.	3,231.75	
		\$ 19,883.65
Salary of Caretaker, Temiskaming		825.00
Government Building Matheson—Maintenance		100.00
ONTARIO HOSPITALS:		
Repairs and incidentals—		
Brockville	\$ 1,743.06	
Cobourg	2,721.70	
Hamilton	5,070.65	
Kingston	10,066.12	
London	2,137.13	
New Toronto	2,240.71	
Orillia	2,255.25	
Penetanguishene	3,521.82	
Toronto	1,833.09	
Psychiatric, Toronto	689.22	
Whitby	10,286.69	
Woodstock	1,789.27	
Langstaff	710.09	
Contingencies	2.00	
		\$ 45,066.80

SERVICE	AMOUNT	AMOUNT
ONTARIO HOSPITALS (Continued)		
ST. THOMAS:		
To provide for expenses in connection with the leasing of Hospital to the Dominion Government for the purposes of National Defence (recurring charges recoverable from the Dominion Government, in accordance with Agreement).....	\$ 283.10	
Farm operating expenses—		
Salaries.....	\$ 5,641.98	
Expenses.....	19,073.67	
	<u>24,715.65</u>	\$ 24,998.75
ONTARIO REFORMATORIES:		
To provide for expenses in connection with leasing of Reformatories to the Dominion Government for the purposes of National Defence (recurring charges recoverable from the Dominion Government, in accordance with Agreement).....	\$ 301.06	\$ 301.06
PUBLIC WORKS:		
Maintenance—		
Salaries (Lockmasters, Supervising Foremen, etc.).....	\$ 4,918.75	
Repairs to locks, dams, etc.....	8,371.57	
Equipment.....	11.49	
Maintenance of Hawkesbury-Grenville Bridge.....	1,621.52	
	<u>\$ 14,923.33</u>	
ONTARIO GOVERNMENT OFFICE BUILDING, KINGSTON:		
Maintenance—		
Salaries of Caretakers.....	\$ 2,416.20	
Cleaning supplies, fuel, electricity, water, repairs and incidentals	2,643.69	
	<u>\$ 5,059.89</u>	
MISCELLANEOUS:		
To provide for the costs of moving patients, inmates and staffs of Provincial Institutions leased to the Dominion Government for war purposes, including repairs and alterations to buildings and all expenses in connection with providing quarters during the terms of the Agreements (lump sum payments received from Dominion, as per agreements, deposited as revenue).....	\$ 75,510.99	\$ 75,510.99
STATUTORY—DRAINAGE AID:		
Townships of—		
Aldborough.....	\$ 2,020.99	
Howard.....	2,959.40	
Mersea.....	2,563.00	
	<u>\$ 7,543.39</u>	
SPECIAL WARRANTS:		
Incidental expenses and rental of premises of The Galt Club Ltd., in the City of Galt, for Government purposes.....	\$ 1,848.00	
Portrait of Gordon D. Conant, K.C., B.A., L.L.B., ex-Prime Minister of Ontario.....	9.00	
	<u>\$ 1,857.00</u>	
TOTAL ORDINARY EXPENDITURE.....		<u>\$880,774.57</u>

SERVICE

CAPITAL

AMOUNT

AMOUNT

ONTARIO HOSPITALS:

General—

Additions, alterations, equipment and fire-proofing \$ 14,834.26

Orillia—

Construction of a new Patients' Pavilion to provide accommodation for approximately 300 patients and expenses in connection therewith, including purchase of additional land

302,061.31

\$316,895.57

DISTRICT BUILDINGS

To provide for construction of works and buildings, alterations and fire-proofing and expenses in connection therewith

\$ 793.55

\$ 793.55

AGRICULTURAL BUILDINGS:

Horticultural Experiment Station, Vineland—To provide sewage disposal system and increase water supply

\$ 7,467.43

\$ 7,467.43

FISH HATCHERIES:

Construction and alterations to Fish Hatcheries

\$ 33.12

\$ 33.12

PUBLIC WORKS:

Municipal Drainage \$ 5,629.90

Storage dams and docks 8,984.64

\$ 14,614.54

SPECIAL WARRANT:

Purchase of land and buildings adjacent to and for use by the Ontario Hospital, Woodstock

\$ 13,441.47

\$ 13,441.47

TOTAL CAPITAL EXPENDITURE

\$353,245.68

SUMMARY

ORDINARY EXPENDITURE:

Main Office and Maintenance and Repairs of Government Buildings \$ 880,774.57

CAPITAL EXPENDITURE:

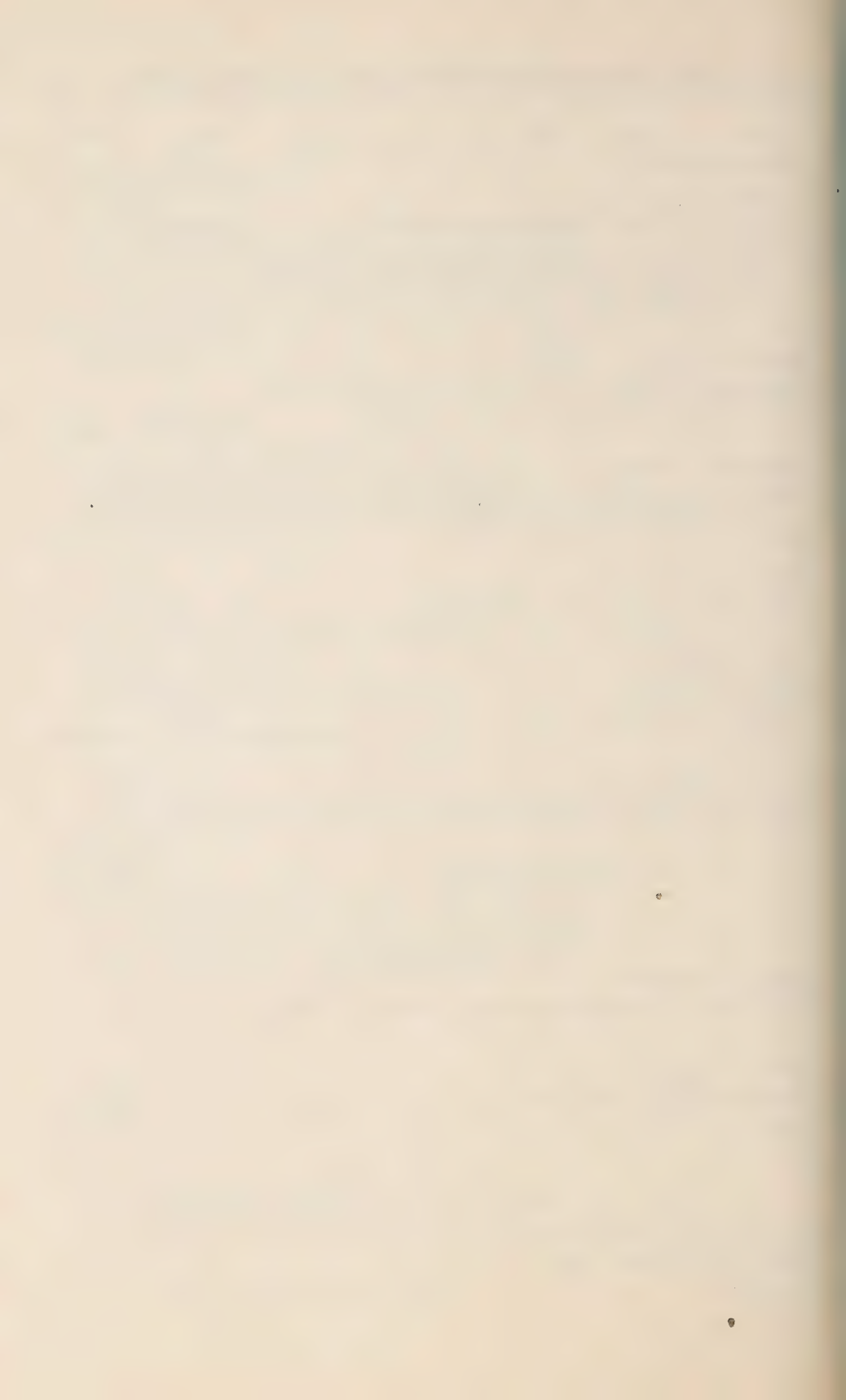
Public Buildings and Public Works 353,245.68

\$1,234,020.25

S. WOOD,

Secretary and Accountant.

Department of Public Works, Ontario,
TORONTO, March 25th., 1946.



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Government
Publications

REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1946

1945/46

Printed by Order of
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO

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REPORT

OF THE

Minister of Public Works

FOR THE

PROVINCE OF ONTARIO

FOR THE

TWELVE MONTHS ENDING MARCH 31st, 1946

Printed by Order of
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 8—1947



T O R O N T O

Printed and Published by the Printer to the King's Most Excellent Majesty

1947

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Toronto, Ontario.
Parliament Buildings,

SIR:

I have the honour to submit to you the accompanying reports of the Architect, Engineer, Secretary and Accountant for the financial year, April 1, 1945, to March 31, 1946.

ARCHITECT'S BRANCH

This report shows increasing activity in the preparation of plans for the many projects required to provide the accommodation needed by the various departments of the Government.

The Architect's report fully deals with the various projects started, or brought to completion, and it will be noted that considerable work was done, despite the difficulty of securing labour and materials.

ENGINEER'S BRANCH

Repairs to the locks and dams in the Northern Districts have been carried out where necessary; the work being done by day labour.

A concrete dam was built on the south channel of the Pickerel River, which, together with the dam built in the north channel last year, improves this River for navigation for a distance of approximately 30 miles.

The usual drainage work was done under the appropriation for Municipal Drainage and five Municipalities were granted aid in accordance with the provisions of the Provincial Aid to Drainage Act.

SECRETARY AND ACCOUNTANT'S BRANCH

The statement of revenue shows a considerable increase over the previous years, but this is on account of monies received from the Dominion to cover the costs of restoring buildings for purposes of the Province after occupancy by the Dominion.

The expenditures for ordinary and capital purposes are summarized as follows:

Main Office	\$ 161,537.34
Maintenance and Repairs, Government Buildings.....	872,078.19
Total Ordinary —.....	\$1,033,615.53
CAPITAL	
Public Buildings and Public Works	\$ 451,723.07
Total Expenditure	\$1,485,338.60

In submitting the aforementioned Reports, I desire to point out that the various projects enumerated were carried out under the direction of the late Deputy Minister, Mr. R. A. McAllister, whose decease occurred on August 1, 1946.

Mr. McAllister was appointed Assistant to the Deputy Minister of this Department, effective February 15, 1937, and was promoted to the position of Deputy Minister as of July 1, 1937. His sudden passing was a great loss to this Department.

I have the honour to be, Sir,

Your obedient servant,

G. N. WILLIAMS,

Chief Architect and Deputy Minister.

TORONTO, March 25, 1947.

REPORT OF THE ARCHITECT

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works.

SIR:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year, April 1st, 1945, to March 31st, 1946, as follows:

ONTARIO GOVERNMENT INSTITUTIONS LOANED
TO
THE DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year, the following Ontario Government Institutions, which were previously turned over, all or in part, to the use of the Department of National Defence for purposes of World War II, are still being retained for this purpose, except as specially noted hereinafter, for Ontario Hospital, St. Thomas.

Ontario Hospital, London (portion of lands only).
Industrial Farm, Monteith.
Normal School, Ottawa.
Boys' Training School, Bowmanville.
Ontario Hospital, Brampton.
Ontario Hospital, St. Thomas (partial return started).

In the case of the Ontario Hospital, St. Thomas, negotiations for the return of this Institution of the Province have been underway for some time and we have been taking over the premises, building by building, as the work of restoration by the Dominion, is completed. The official termination arrangements have not as yet been completed.

The following Institutions have been returned by the Department of National Defence to the Province following termination of lease arrangements:

Returned during this fiscal year:

Girls' Training School, Galt, as of April 20th, 1945.

Returned previous to this fiscal year:

Ontario Hospital, Port Arthur (Administration Building) as of February 15th, 1944.

Ontario Reformatory, Mimico, as of May 1st, 1944.

Agricultural School, Kemptville, as of May 1st, 1944.

Normal School, Toronto, as of July 12th, 1944.

Ontario School for Deaf, Belleville, as of July 15th, 1944.

Training College for Technical Teachers, Hamilton, as of September 1st, 1944.

Ontario Agricultural College, Guelph, as of February 19th, 1945.

Further remarks regarding the return and reconversion of these Institutions will be found in the body of this report under their respective sub-divisions.

A considerable amount of work was rendered by this Branch of the Department in connection with the continued use of the above enumerated Institutions still on loan to the Department of National Defence, as well as in connection

with the above Institutions referred to as being returned to the use of the Province during this fiscal year.

The stringent conditions affecting the construction industry with regard to material and skilled labour supply and the acute housing problem which prevailed throughout this fiscal year, made it extremely difficult for this Department to undertake much work and many projects planned for this year were, of necessity, set aside awaiting more favourable conditions. The preparation of the working drawings for many projects, however, was continued, but this work also was greatly hampered by the shortage of skilled technical personnel.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

The working drawings for the proposed two-wing extension to the East Block were further developed.

Working drawings for the initial stages of remodelling the East Wing of the Parliament Buildings were started and included plans for a new fire tower stair at the north end of the east wing and new fire tower stairs and elevator shafts at the east entrance and at the grand staircase of the same wing. Plans for remodelling the lavatories at the north end of the east wing were also prepared for inclusion in this initial programme.

General routine repairs, replacements and changes were carried out in all trade branches, but this work also was restricted by the material and labour supply situation referred to above.

The work in this category for this group of buildings included repairs, replacements or changes, as required, in each instance in connection with roofs, plastering, masonry, windows, doors and other interior wooden trim and other finishes.

General repairs and replacements were also carried out in connection with furniture, furniture upholstery, linoleum, blinds and other such equipment.

A considerable amount of interior painting was done and extra shelving provided for the various departments.

Repairs, replacements and changes were carried out in connection with plumbing, heating, ventilation, refrigeration and electrical systems and the elevators were regularly inspected and repairs made as required.

The electric lighting system was improved in some offices and this work will be extended as materials become available.

Numerous sectional partitions were installed in various offices throughout the Parliament Buildings and East Block to divide existing offices.

Included in the general work, as above described, the following items were considered to be of sufficient interest to warrant mention for purposes of record, in this report:

Parliament Buildings:

The south elevator in the North Wing, which was out of commission during the war years, was repaired and put into operation.

Owing to the serious scarcity of sheet metal, the need for new and additional ballot boxes was met by the conversion of surplus ammunition boxes to

suit the requirements of the Election Officer. This work was done by our maintenance mechanics.

Lighting of the Press Gallery desks was improved by the installation of individual desk lamps.

Office Directories were installed in the corridors of the North Wing, (Education Department) for the convenience of the public.

New asphalt paving was laid over the subsurface portion of the Treasury Vault in the North Wing.

Separate transformers were placed on the operating mechanisms on the doors of the two East Wing elevators, so that they could be continued in operation in the event of a power failure in the lighting circuits.

East Block:

The work of repointing the exterior stonework of the building started in the previous year, was continued throughout this fiscal year, but progress was still limited by shortages of material and labour.

Installation of office directories and illuminated directional signs, started in the previous year, was completed during this fiscal year.

The entrance steps and sidewalk at the north entrance to the East Block were rebuilt and the lamp standards relocated, following the widening of St. Alban's Street by the City of Toronto.

The sidewalk at the coal vault on Surrey Place was relaid and the ramp extended six feet to the south.

A new dishwashing machine and dish tables were installed in the Civil Service Cafeteria, the cold storage rooms were enlarged and separate refrigeration machines provided. A new travelling type, gas operated toaster was provided.

The vault door on the bond vault was overhauled.

New wash sinks and counters were installed in the central washup room in the Department of Health Laboratories.

A special electric generator was installed in the Industrial Hygiene Division for operating special apparatus.

Accoustical ceilings were applied to various rooms throughout the Buildings, where large groups of business machines were in operation and the noise level was found to be distracting.

General repairs were made to the boiler plant, including complete overhaul of stokers and boiler feed pumps, new soot blower elements were installed in the boilers and the ammonia compressor on the refrigeration system was overhauled. Extensive replacements were made of radiator traps.

Subsidiary Buildings:

Minor general repairs in various trade branches were carried out in the following buildings:

Numbers 11, 15 and 39 Queen's Park.

112 College Street.

454 University Avenue (Liquor Control Board).

807 Richmond Street West (Sewage Laboratory).

Department of Highways' Garages, Surrey Place and Leaside.

Department of Health, Serology Laboratory Annex, Mimico.

Department of Health, Office Annex, 1011 Queen Street West.

The following items are listed for purposes of record:

At 112 College Street, the old heating boiler was removed and the heating system connected up with the steam distribution mains originating at the East Block boiler plant. The interior of the building was redecorated throughout and extensive repairs were made to the roofs, downpipes and eavestroughing.

At 454 University Avenue, the hot water generator was retubed, the furnace linings repaired and general repairs made to the elevator.

At 11 Queen's Park, repairs were made to floors and woodwork following a minor fire which was confined to one office.

Osgoode Hall:

General routine repairs, replacements and minor changes were carried out at these premises. The following items are mentioned for purposes of record:

A new flagpole was set up in the grounds, replacing the old flagpole which was located on the peak of the centre pediment at the roof level and was found to be inaccessible when the roofs were ice covered.

A rest room for women members of the staff was installed.

Extensive changes were made to the heating distribution piping, a large number of traps were placed on radiators and general repairs made to boilers, stokers and pumps.

EDUCATIONAL BUILDINGS

Normal and Model School, Toronto:

These premises were continued in use as a Rehabilitation Centre by the Department of Education under a Dominion-Provincial Training Programme.

Minor repairs only were carried out by this Department, as the school took care of the buildings generally as a part of the Vocational Training Programme.

The use of the former Earl Kitchener School on Pape Avenue, Toronto, as temporary quarters for Normal School work was continued during this fiscal year and general routine repairs and maintenance carried out, including repairs to boilers and mechanical equipment. Some new tubes were installed in the heating boiler, the hydraulic ash hoist was overhauled and the temperature control apparatus repaired and adjusted.

Normal and Model School, Ottawa:

These premises are still on loan to the Dominion Government and, as noted in my previous annual report, were loaned as of November 1st, 1939.

The Normal School classes are being carried on in temporary quarters located in the Mutchmor School, Ottawa.

A strip of the land forming the grounds of this school, fronting on Elgin

Street, was deeded by the Province to the Federal District Commission, Ottawa, for street widening purposes.

Normal School, London:

Minor routine repairs were made to this building and to the master clock system and minor stoker replacements were made.

Normal School, Hamilton:

Minor repairs, as required, were made to this building; repairs were made to the programme clock system and the temperature controls were overhauled.

An unused steam engine was removed and given to the Re-Establishment Institute, Toronto, for teaching purposes.

New grates were installed in the heating boiler and the water main in the engine room repaired.

Normal School, North Bay:

Minor repairs, were made to this building, including repairs to plumbing, piping and a new radiator installed in basement, replacing pipe coils. The flag pole was taken down and painted. A safe was provided for the Principal's office.

Normal School, Peterborough:

Minor repairs, generally, were made and in addition, a new motor drive was installed on the ventilation system to allow ventilating fan to be operated when steam plant is not in use. Classrooms No. 1 and No. 4, the main hall and entrance vestibules, and the hall on the second floor were painted.

The ash hoist was overhauled and new drains installed in this area.

Boiler repairs were carried out, including installation of 58 new tubes.

Normal School, Stratford:

Routine repairs made at this building: included repairs to the main staircase and, in addition, the large storage cabinet in the sewing room was removed and rebuilt to provide smaller portable cabinets for the other classrooms. The fixed seats in the Assembly Hall were removed and reassembled in groups of four, to allow for their easy removal so that this room could be used for other purposes, as required. The floor of the Assembly Hall was repaired.

Boiler No. 2 was completely retubed, repairs made to the firebrick linings and the fire door arches were rebuilt. General repairs were made to the heating system and temperature controls.

Ontario School for Deaf, Belleville:

The restoration work undertaken by this Department, following the return of this Institution by the Dominion Government to the Province on July 15th, 1944, was, for the most part, completed. The guard house left by the R.C.A.F. at the entrance gates was disposed of and the grounds restored.

A model domestic science suite was installed, including: four model kitchens, laundry, living and bedroom units for teaching purposes.

The hallways and main kitchen in the school building were painted, 10 new ironing boards were provided for the laundry, and a new reversing switch installed in the washing machine.

In addition, general routine repairs, as required, were carried out, including renovation of stokers and the installation of a new refractory front wall in No. 3 boiler.

Ontario School for Blind, Brantford:

General routine repairs were made at this School and the programme clocks were repaired and adjusted.

Extensive repairs and renewals were made to window shades in classrooms, repairs to heating system, included rebuilding of No. 3 boiler front, repairs to stokers and renewal of 200 radiator traps.

Ontario Technical Teachers' Training College, Hamilton:

The restoration work at the College, following its return to the sole use of the Department of Education, after joint use with the Dominion Government, for the most part was completed and during this fiscal year, routine general repairs were made, as required.

Provincial Institute of Mining, Haileybury:

The former, town-owned, Mining School building and land at Haileybury was purchased by this Department on September 17th, 1945, and the premises turned over to the Department of Education for operation as a Mining Institute.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph:

As noted in my previous annual report, the portion of the premises and buildings at this College, which had formerly been on loan to the Department of National Defence, were returned to the use of the Province as of February 19th, 1945. After this date, the work of restoring the building and grounds to their former condition, as required to meet the needs of the College, was undertaken by this Department, after completion of arrangements, under the agreement with the Dominion Government whereby the cost of such restoration was reimbursed to the Province.

The work of restoration was carried on during the year, limited only by material and labour supply conditions, and at the end of the financial year, the work was completed, or substantially completed, in the following buildings:

Administration and Students' Residence.

MacDonald Hall.

MacDonald Institute

Mills Hall

Watson Hall

Maids' Dormitory

Trent Institute

Ault Farm

Skating Rink

To cope with a greatly increased post-war student enrolment, the Department of Agriculture made an urgent request for widespread extension of acco-

modation, of a temporary nature, in all main departments of the College, including student dormitory accommodation, and this work was undertaken by the Department of Public Works. Some progress was made before the end of this financial year, but, as in the case of the restoration work referred to above, this work was also limited by the general shortage of labour and materials.

The work under this heading, included:

A former R.C.A.F. outstation building was altered to provide new accommodation for the Bacteriological Department of the College.

A large addition to provide greatly increased laboratory and classroom facilities for the Chemistry Department was started.

A large laboratory and classroom addition to the Soils Building was started.

A start was made on the work of converting previously unused spaces in Mills Hall and the Horticultural Building, to obtain the much needed added residence accommodation for students.

In addition to the foregoing items of restoration work, alterations and extensions, this Department also carried out general maintenance and repair and replacement work in all branches of construction on the various buildings of the College, beyond the scope of the staff maintenance mechanics at the College.

Ontario Veterinary College, Guelph:

* Increased accommodation at this College was requested to meet the needs of greatly increased student enrolment, and in this case, permanent extensions were considered necessary. Plans and specifications were prepared, contracts awarded and the work started on a large three-storey addition, of fire-resisting construction, to the Main College building; considerable alteration and renovation work in the present building is also included in the programme. The accommodations of all departments of this College will be much enlarged and improved by these operations.

Construction work was also started at this College, on the following new outbuildings:

A new Hog Clinic, with special equipment for heating and ventilation to permit isolation of each pen.

A new building for fox and mink.

A new laboratory building with separate laboratories for poultry and small fur-bearing animals.

In addition to the foregoing, general routine repairs were made to the existing buildings.

Agricultural School, Kemptville:

The restoration work, following return of this School to the Province from the Dominion Government, was substantially completed during the financial year, and other general improvements and repairs made, including installation of a new dishwasher in the main kitchen, a new extractor in the laundry, and general overhaul of the lock and keying system.

New roofs were applied on four staff houses and repairs were made to slate roofs of main building.

Experimental Farm, Ridgetown:

Routine repairs were made to various buildings as required.

Demonstration Farm, Hearst:

A small parcel of land which protruded into the Demonstration Farm area was purchased, to complete the block of property.

Horticultural Experiment Station, Vineland:

The new sewage disposal system started in the previous fiscal year, was completed and connections made to the various buildings, replacing the old and obsolete separate septic tanks.

Construction work on the proposed Horticultural Products Processing Laboratory Building was postponed, owing to the urgent need for building materials for housing purposes.

Routine general repairs were made to the various buildings, including heating and plumbing repairs and repairs to roofs. A new hot water boiler was installed in the Kelley Cottage and kitchen cabinets and other shelving were built in the boarding house.

Demonstration Farm, New Liskeard:

General repairs were made to the various buildings.

DISTRICT BUILDINGS

Algoma:

Court House, Sault Ste. Marie. Routine repairs were made, including repairs to chimney brickwork.

Gaol, Sault Ste. Marie. Routine repairs were made. Nine new prison locks were installed on the exterior doors and a safety screen installed in the visiting room.

Cochrane:

Court House, Cochrane. Routine repairs were carried out.

Lock-up, Hearst. Minor repairs were carried out.

The Constables' quarters were enlarged by the addition of one bedroom and clothes closets.

Lock-up and Office Building, Matheson. Routine repairs were made.

Kenora:

Court House, Kenora. Routine repairs were carried out.

Gaol, Kenora. Routine repairs were made, metal weather stripping was applied to windows and exterior doors, a vault door, removed from the Court House, North Bay, was built in to provide a vault for gaoler.

Gaoler's Residence, Kenora. Routine repairs were made.

Government Office Building and Lock-up, Sioux Lookout. Routine repairs were made, including redecorating of about 75% of the interior of the building.

Manitoulin:

Routine repairs were made at the Gaol and some minor alterations carried out to allow this building to be used as a lock-up by the Provincial Police.

Muskoka:

Court House, Bracebridge. Routine repairs were carried out, including new linoleum laid in Police Office and Clerk's Office.

Gaol, Bracebridge. Routine repairs were made, including repairs to roof. A canopy was erected over the side entrance and safety screens provided for gaol winds.

Registry Office, Bracebridge. Routine repairs were made.

Nipissing:

Court House, North Bay. General routine repairs were carried out, as required.

Gaol, North Bay. Routine repairs were made and a safety screen purchased for later installation in the visiting room.

Registry Office, North Bay. Routine repairs were made.

Parry Sound:

Court House, Parry Sound. Routine repairs were made.

Gaoler's House, Parry Sound. Routine repairs were made.

Lock-up, Burk's Falls. Routine repairs were made.

Rainy River:

Court House, Fort Frances. Routine repairs were made, including repairs to plaster work in Court Room and four offices.

Gaol, Fort Frances. Routine repairs were made and safety screens installed on gaol windows.

Lock-up, Atikokan. A four-room cottage was purchased and moved to a site adjoining the Lock-up, to provide living quarters for the Constable, a bedroom and office were added.

Sudbury:

Court House, Sudbury. General routine repairs were carried out. Three rooms were fitted out for Juvenile Court and Offices, the work included plaster-work, mastic tile floors, new lighting, new furniture and a raised dais for the Judge.

Gaol, Sudbury. Routine repairs were made and alterations carried out to provide a visiting room with safety screen.

Registry Office, Sudbury. Routine repairs were made.

Temiskaming:

Court House, Haileybury. Routine repairs were made.

Gaol, Haileybury. Routine repairs were made.

Lock-up, Elk Lake. Routine repairs were made.

Lock-up, Englehart. Routine repairs were made and the exterior of the building painted.

Mining Recorder's Office, Swastika. Routine repairs were made.
Thunder Bay:

Court House, Port Arthur. General routine repairs were carried out and a general programme of renovation was started, including, extensive replastering work, improvements to electric lighting system, Venetian blinds provided for large Court Room windows and additional office space was provided for the Registrar.

Gaol, Port Arthur. Routine repairs were made and 64 new prison locks were provided and installed.

Registry Office, Port Arthur. Routine repairs were made.

Registry Office, Fort William. Routine repairs were made.

ONTARIO HOSPITALS

Ontario Hospital, Brampton:

This Institution, as noted in my previous report, is still on loan to the Department of National Defence and its occupancy was continued during this fiscal year.

Ontario Hospital, Brockville:

General routine repairs were carried out, including some roof repairs and repairs to greenhouse.

Alterations were made to the former Hydro-Therapy units to provide medical examination rooms in each admission ward, and a former storeroom on the main floor of the main building was fitted out for the same purpose.

An order was placed for a new stainless steel pasteurizing machine.

Ontario Hospital, Cobourg:

General routine repairs were made, including extensive repairs to roofs of Patients' Dininghall, Dormitories 3, 4, 5 and 6 and connecting passageways, eavestroughing and downpipes were replaced and a new roof was laid over the pump house.

Ontario Hospital, Fort William:

Routine repairs were made and the incoming Hydro power line was renewed to improve power distribution.

The kitchen in the Superintendent's Residence was completely remodelled.

Ontario Hospital, Hamilton:

General routine repairs were made, including extensive repairs to roofs, eavestroughing and downpipes on the buildings, generally. The underground water supply pipe to two staff residences at the main entrance was renewed and a new hot water heating system was installed in the Chief Attendant's Resi-

dence, replacing the old stove heating. A large chimney on the East House was removed and the roof repaired. New steel suspensions were installed for Boilers Nos. 5 and 6 and a new safety valve provided for No. 6 Boiler.
Ontario Hospital, Kingston:

(*Rockwood*). General routine repairs were carried out, including repairs to roof of Superintendent's Residence, which required extensive remodelling of cornices to eliminate further deterioration at old built-in gutters. An unused chimney at the main kitchen was taken down and kitchen ventilation was improved by installation of two exhaust fans.

Three new fire escapes were erected on the Nurses' Residence and one at the Assembly Hall in the main building; exit doors were provided, leading to these escapes and proper exit illumination was installed. Stairways were renewed in the New Court Cottage and the Vocational Building. The Power House chimney stonework was repointed and extensive repointing done on building stonework generally.

A reconditioned steam boiler was provided for the Piggery. A new hot water tank was installed in the pump house and the layout of this room generally revised to allow for improved servicing arrangements. A new water softening unit was provided for the laundry, replacing an old worn out unit.

(*Mowat*). Routine repairs were made and a new hot water tank was installed in the heating plant and the piping revised.
Ontario Hospitals, Langstaff and Concord:

At Langstaff—General routine repairs and renewals were made, including repairs to roofs. The cold storage room in the main kitchen was renovated including new cork insulation and plaster interior finish.

Defective tubes were removed and replaced with new tubes in the piggery boiler.

At Concord—General routine repairs and renewals were carried out, including renovation of cold storage room. The sewage disposal plant was completely overhauled, including renovation of building.

Ontario Hospital, London:

Routine repairs were made and new roofs were laid over two sunrooms in Examination Building and over Ward 4 of the Main Building.

Safety valves on Boiler No. 6 were overhauled.

Ontario Hospital, New Toronto:

General routine repairs were carried out, including repairs to eavestroughing and downpipes generally throughout the patients' buildings. Unused chimneys were removed from Cottage 5 and the roofs repaired. Alterations were made to the Administration Building, to provide separate consultation offices for medical staff. An underground pipe trench was built between the main group of buildings and the Superintendent's Residence; steam and return piping installed and the residence heated from the central boiler plant. A new bathroom was installed in the Superintendent's Residence, replacing obsolete fittings and fixtures. A survey was made of the sanitary and storm water drainage systems and storm water pipes found to be connected to the sanitary drains, were diverted to the storm drain system.

A complete set of dry tubes were installed in No. 2 boiler.

Ontario Hospital, Orillia:

General routine repairs were carried out, particularly to brickwork, plaster-work, eavestroughing and down pipes throughout the Institution.

The new 300-bed hospital unit, mentioned in my previous report, was completed during this fiscal year and turned over to the Department of Health on September 1st, 1945.

Plans were prepared and work started on a 30-stall addition to the cow stable to provide for the milk needs for the new 300 bed unit. Two new bull pens were built into the former root storage space and separate exercising yards erected.

Plans were prepared for remodelling the old natural ice cold storage rooms at the central stores, and a mechanical refrigeration system was installed complete with ice-making unit.

New roofs were laid over the Piggery and one-half of the Infirmary Building.

Three new stop and check valves were provided for steam boilers.

Ontario Hospital, Penetanguishene:

Routine repairs were made, including repairs to the roofs of staff houses. A new storm drain was laid in the farmyard.

Ontario Hospital, Port Arthur:

Routine repairs were carried out as required.

Ontario Hospital, Toronto (999 Queen Street West):

General routine repairs were carried out and a new bathroom was installed in the Superintendent's Apartment in the Main Building.

A new hot water storage tank was installed in the boiler plant.

Psychiatric Hospital:

...

General routine repairs were carried out by Parliament Buildings' staff Mechanics.

Ontario Hospital, Whitby:

General routine repairs were made, including extensive repairs to tile roofs, roofs were laid over parts of Infirmary Building and on Grove House. Repairs were made to sidewalks at Women's Cottages and Administration Building.

Ontario Hospital, Woodstock:

General routine repairs were made, including extensive repairs to plaster-work.

Ontario Hospital, St. Thomas:

Arrangements were made during the fiscal year for the return of this Institution to the Province from the Department of National Defence. In this case, the work of restoration was undertaken by the Dominion Government and the buildings taken over progressively as the restoration work was completed in each unit.

General routine repairs were carried out in the buildings as taken over by

the Province and orders placed for furniture, furnishings, laundry equipment and other items of equipment required to re-equip this Hospital for use by the Department of Health.

The work of repointing exterior stonework started the previous year, was continued during this fiscal year.

EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Generally, plans were examined and recommendations forwarded to the Department of Health in connection with new construction, alterations and additions to General Hospitals, Hospitals for Incurables, Red Cross Hospitals, Sanatoria and Private Hospitals.

Proposals of various kinds were dealt with this fiscal year in connection with the following:

General Hospitals:

Amnrior.....	Hospital
Brampton.....	Peel Memorial
Chesley.....	Memorial Hospital
Collingwood.....	General and Marine Hospital
Cornwall.....	General Hospital
	Hotel Dieu
Fort Erie.....	Winston Hall (Proposed)
Fort William.....	McKellar General and District Hospital
	Hospital
Ganonoque.....	Air Port (moving army hospital to new site)
Hagersville.....	Misericordia Hospital
Haileybury.....	St. Joseph's Hospital
Hamilton.....	General Hospital
Kingston.....	Hotel Dieu
	Waterloo Hospital
Kitchener.....	Victoria Hospital
London.....	Madsden Hospital (Proposed)
Red Lake.....	York County Hospital
Newmarket.....	Niagara Cottage Hospital
Niagara-on-the-Lake.....	Queen Victoria Memorial Hospital
North Bay.....	and District Temporary Hospital
	Hospital
Oakville.....	Salvation Army Grace
Ottawa.....	St. Vincent Hospital
	Isolation Hospital (Proposed)
Pembroke.....	General Hospital
Port Arthur.....	St. Jean de Brebeuf
Sturgeon Falls.....	General (Proposed)
Southampton.....	Queen Elizabeth Hospital
Toronto.....	Welesley Hospital
	Hospital for Sick Children
	Runnymede Hospital
	Hospital (Proposed)
Winchester.....	East Windsor Hospital
Windsor.....	

Private Hospitals:

Campbellford.....	Mrs. F. I. Peters (Proposed)
	Campbellford Private Hospital
Central Patricia.....	Central Patricia Gold Mines
Cobourg.....	Brookhurst Convalescent
Creemore.....	Mrs. Beacon (Reg.N.) (Proposed)
Deep River.....	Deep River Private Hospital
Dundas.....	Wentworth County Rest Home
Elmira.....	Turner Private Hospital
Favourable Lake.....	Berens River Mines Private Hospital
Geraldton.....	Little Long Lac Private Hospital
Havelock.....	Havelock Private Hospital
Hawkesbury.....	Dr. Kelly's Private Hospital
	Dr. Smith's Private Hospital
	Asylum of Good Shepherd
Kemptville.....	Mrs. Grigsby (Reg.N.) (Proposed)
Leamington.....	Leamington District Memorial
Little Britain.....	Little Britain Private Hospital
London.....	Rogers Private Hospital
	Karendale Mannor (Proposed)
Marathon.....	Wilson Memorial
Markdale.....	Markdale Private Hospital
McKenzie Island.....	McKenzie Red Lake Gold Mines
Meaford.....	Meaford Cottage (Proposed)
Midland.....	Midland Convalescent
Milton.....	Milton Private Hospital
Moosonee.....	Assumption Private Hospital
Napanee.....	Campbell Nursing Home
Orillia.....	Hillcrest Private Hospital
Oakville.....	Oakville and District Private Hospital
Pickle Crow.....	Pickle Crow Gold Mines Private Hospital
Port Perry.....	Port Perry Private Hospital
Red Lake.....	Red Lake District (Proposed)
Sarnia.....	Carruthers Clinic Private Hospital
Smooth Rock Falls.....	Smooth Rock Falls Private Hospital
St. Catharines.....	Bellevue Convalescent
St. Thomas.....	Hopewell Convalescent (Proposed)
Stayner.....	Marybrook Rest Home (Proposed)
Stouffville.....	Brierbush Private Hospital
Sutton West.....	Sutton Private Hospital
Thorold.....	Maplehurst Private Hospital
Toronto.....	Albany Private Hospital
	Dewson Lodge Private Hospital
	Huntley Street Nursing Home
	St. Marys Private Hospital
	Dr. Shouldice's Surgery
Van Kleeck Hill.....	Van Kleeck Hill Private Hospital
Waterford.....	Waterford Private Hospital
Whitby.....	Whitby Private Hospital

Sanatoria Hospitals:

Fort William.....	Fort William Sanatoria
Kingston.....	(Proposed site)
London	Queen Alexandra

Ottawa.....	Royal Ottawa
St. Catharines.....	Niagara Peninsula
Weston.....	Weston Sanatorium

Red Cross Hospitals:

Bancroft.....	(Proposed)
New Liskeard.....	(Proposed 37 bed)
Warton.....	(Proposed)

ONTARIO REFORMATORIES

Andrew Mercer Reformatory Toronto:

Routine repairs were made, including repairs to eavestroughing and down-pipes and the electric lighting was improved in the Bursar's Office and stores.

Ontario Reformatory, Mimico:

Preliminary sketches and studies were made of the Brick Making Plant and equipment in preparation for its complete overhaul and modernization, to increase the quality and production rate, as required to meet the needs of this Department's future building programme.

A new walk-in refrigerator with mechanical refrigeration was installed in the main kitchen.

Ontario Reformatory, Monteith:

This Institution, as noted in my previous report is still on loan to the Department of National Defence and its occupancy was continued during this fiscal year.

Industrial Farm, Burwash:

Co-operation was given to the Superintendent of this Institution in the matter of their building programme, which included the erection of staff residences built from plans previously prepared by this Department.

Ontario Reformatory, Guelph:

The farm lands at this Institution were extended by the purchase of a 100-acre farm lying to the northeast of the present Reformatory property.

ONTARIO TRAINING SCHOOLS

Boys' Training School, Bowmanville:

The buildings and lands of this School were vacated by the Dominion Government during this fiscal year and the restoration work required to be carried out prior to their return to the Province was undertaken by the Dominion Government. The School, however will not be returned to the use of the Province until restoration work has been completed.

The Department of Public Works carried out repairs to the flat roofs over the main school buildings, the Herdsman's house and the Engineer's house.

Alterations were made to the Superintendent's House to improve the bedroom arrangements.

Boys' Training School, Galt Division:

This School (formerly known as the Girls' Training School, Galt) was returned by the Department of National Defence to the use of the Province on April 20th, 1945, and the work required to adapt the buildings for use as a Boys' School was undertaken during this fiscal year.

Girls' Training School, Cobourg:

General routine repairs were carried out, including repairs to roofs generally, and a new sewage disposal bed was laid at the former Haas residence. Wire guards were installed on gymnasium windows.

Fire escape stairs were erected on the former McCook and Haas Residences and a new Hydro service was brought into these residences.

DEPARTMENT OF HIGHWAYS BUILDINGS

Co-operation was given to the Department of Highways in the matter of the preparation of working drawings and specifications for new Highways' buildings, and alteration to existing Highways' buildings. Supervision of the erection of these buildings was also undertaken by this Department and inspections were made of divisional headquarters and other buildings in connection with alteration work as required.

During this fiscal year, working drawings and specifications were prepared and the work supervised in connection with:

A new paint shop and laboratory building at Leaside.

A new snowplow shed for two plows at Pembroke.

ONTARIO GOVERNMENT OFFICE BUILDINGS

Ontario Government Building, Kingston:

Minor repairs were carried out at this building, including repairs and replacements to heating, plumbing and electrical systems.

Ontario Government Building, New Liskeard:

Minor repairs were made to this building, the office of the Public Health nurse was redecorated and a small storage cupboard provided. The heating system was repaired and replacements made, as required.

DRAWINGS AND REPORTS PREPARED AND OTHER WORK
RENDERED FOR THE VARIOUS DEPARTMENTS
OF THE GOVERNMENT

In addition to the preparation of working drawings and specifications required for the various items of work carried out by this Department and recorded hereinbefore, the following items of work, of a special nature, and for projects not proceeded with during this fiscal year, are listed as a matter of record:

For Department of Lands and Forests:

Working drawings were prepared for a Superintendent's Residence and a workshop and garage at the Forestry Research Station, Maple, and supervision

of the construction of these buildings, and a Files Storage Building at the same location was provided.

Sketch plans were prepared for a Fish Culture Laboratory Building, also at Maple.

Sketch plans were prepared for a large extension to the Air Service Division Hangar Building at Sault Ste. Marie and included, extensions to workshops, fabric shop, heating plant and other departments at the Station. A new engine test house was also studied.

Sketch plans were prepared for new entrances and gate lodges at east and west approaches to Algonquin Park.

For Department of Agriculture:

A site for the proposed Food Terminal Warehouse at the westerly approach to the City of Toronto was purchased.

Sketch plans were prepared for a proposed new Students' Dormitory building at the Agricultural School, Ridgetown.

Working plans were prepared for a potato storage building for the Cochrane District.

Working drawings were prepared for the following buildings and other work at the Ontario Agricultural College, Guelph:

New steam generating unit for Power Plant and

Extensions to chimney and coal hopper and conveyor system.

Sketch plans were prepared for the following proposed building work at the Ontario Veterinary College, Guelph:

Autopsy and Incinerator Building.

Residence for Principal.

Sketch plans were prepared for proposed conversion of R.C.A.F. Hangar at Cayuga to suit requirements of Rural Youth Training Centre.

Plans were examined and reported upon for proposed Community Centre at Port Lambton.

For Department of Attorney-General:

Working drawings were prepared for the following:

Alterations to Court House, Kenora.

Alterations to Court House, Port Arthur.

New Lock-up and Magistrate's Court Room, Red Lake.

Addition to Lock-up, Hearst.

For Department of Education:

Plans were examined and reported upon for:

Addition to Collegiate and Vocational School, Kirkland Lake.

Addition to Collegiate and Vocational School, Welland.

Leases were drawn up for rented accommodation in the Canadian Car and Foundry premises at Fort William and Canadian National Railway Building at London, as required for the Canadian Vocational Training Centres at these points.

For Department of Health:

Sketch plans were prepared and working drawings started for a proposed new Hospital for Mental Defectives for Eastern Ontario.

Sketch plans were also prepared for the following:

Health Department Laboratory, Timmins.

Health Department Laboratory, Sault Ste. Marie.

Health Department Laboratory, Windsor.

Typical X-ray Department layout.

New lavatories for attendants, Ontario Hospital, Toronto.

Typical health centres for elementary schools.

Typical plans for mental hospitals.

Working drawings were prepared for the following:

New underground Hydro-Electric service, Ontario Hospital, New Toronto.

Standard detail for Serological bath, Health Laboratories.

New lighting system for Health Laboratories, Ontario Government Building, Kingston.

For Department of Highways:

Working drawings were prepared for the following:

Garage and workshop, Stratford.

New lighting, Divisional Offices, Chatham.

For Department of Legislation:

Revised seating plans were prepared for House Galleries.

For Department of Labour:

Sketch drawings were prepared for the Factory Inspection Branch for use in connection with investigation into explosion in grain elevator at Port Arthur.

For Department of Prime Minister:

Departmental organization charts were revised as required and photostatic copies arranged for.

For Department of Provincial Secretary

Working drawings were prepared for the following:

Alterations to boiler room, Ontario Reformatory, Mimico.

New boiler settings, Ontario Reformatory, Mimico.

Sketch plans were prepared for the following:

Alterations to Triple Dormitory Building, Boys' Training School, Bowmanville.

Alterations to Cottage C, Boys' Training School, Galt.

Alterations and modernization of the brick and tile making plant, Ontario Reformatory, Mimico.

Plans were examined and reported upon for new buildings at St. Joseph's Training School, Alfred.

For Department of Provincial Treasurer:

PROVINCE OF ONTARIO SAVINGS OFFICES

Co-operation was given in the usual manner to the Head Office management of the Savings Offices in the matter of general routine maintenance and repair work at the branches where such work was requested and renewals of expiring leases were negotiated and arranged as directed.

For Department of Welfare:

Sketch plans were prepared for study purposes for a proposed Home for the Aged.

Inspections were made of heating systems at Day Nurseries at Parliament Street, Weston Road and Dawes Road in Toronto District.

BOILER INSPECTIONS

The boiler inspection work of this Department was carried out by the Heating Engineer, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings, assisted by the Inspector of Mechanical Services.

Excluding the plants which have been loaned to the Department of National Defence for their own operations and responsibility in connection with the Institutions loaned for purposes of World War II, the inspection work covered this year under the above heading may be described as follows:

The boilers and boiler equipment and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and materials needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and the Ontario Reformatories, the reports, as referred to, were sent to the Department of Health and Provincial Secretary, respectively, for their attention in the matter of making repairs recommended.

The recommendations contained in these reports regarding plants in all the other building groups, referred to in this section, were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Chief Architect.

Toronto, March 31st. 1946.

REPORT OF THE ENGINEER

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works.
Parliament Buildings.

SIR:

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1945, to March 31, 1946.

As usual, all work was done by day labour under local foremen employing local men wherever possible.

The maintenance of locks, dams, docks and navigable channels was carried out. The south Dollars Dam was built in concrete. Drainage work was done in nine districts. Aid was granted to five drainage schemes under the Provincial Aid to Drainage Act.

Maintenance work was as follows:

Buoys:

All buoys on navigable channels taken out by ice and spring floods were replaced to make channels safe for navigation.

Port Carling Locks:

A lot of the planking in the docks at the locks was very badly decayed and unsafe. This was renewed with new 3" plank. Some repairs were also made to the locks to put them in proper working order.

Bala Dams:

The decks of these dams were badly decayed and unsafe. New 2" plank was put in to replace the decayed timber.

Deer Lake Dam:

This old timber dam was leaking badly due to the decayed condition of the timber in it. Wooden sheeting was driven along the face of the dam and gravel was placed against this sheeting to stop this leakage.

Clearwater Lake Dam:

This dam is in the Rainy River District and backs water up on a chain of lakes to provide navigation for tourists and for commercial purposes. It is an old timber dam, and the upper part had become badly decayed and it was liable to be washed away by the spring floods. This would have caused considerable damage to cottages on the lower lakes as well as ruining the navigation above.

The decayed timbers were removed and new timbers put in. Some new sheeting was put on the face of the dam and gravel put in to stop any leakage through it. It will now be safe for several years.

Pickeral River Dam:

This is a concrete dam, and there is an earth dam on a ravine to the

west of the main dam which had partly washed away and was liable to ruin navigation on the lakes above. This earth dam was strengthened by filling in on the upper face with earth and gravel so that it is now safe.

Dollars Dam:

Last year the concrete dam on the north channel of the Pickerel River was completed. This year a concrete dam was built on the south channel to replace the old timber dam which had become badly decayed and unsafe.

This dam is 65 feet long at the top and 25 feet high at the centre. It is built on solid rock. It has a sluiceway 18 feet wide by 10 feet deep which is provided with 12" x 12" timber stop logs to control the water level. Winches are provided to handle the stop logs. It has a timber deck 16 feet wide extending all across the top to enable workmen to operate the stop logs.

These dams make navigation possible on the Pickerel River from Loring to the dams, a distance of about 30 miles. This is a very scenic route for tourists, and the fishing and hunting are excellent on these waters.

Municipal Drainage:

Drainage work was carried out in the following districts: Addington, Parry Sound, Nipissing, Victoria and Haliburton, East Simcoe, North Renfrew, South Renfrew, Peterborough, and Sudbury.

Provincial aid to Drainage:

Holland Marsh Drainage Scheme:

This scheme comprises about 7,000 acres of low-lying land which is too low for natural drainage and so has to be drained by embankments and pumping. The scheme was started over twenty years ago, and the two pumps had become badly worn and inefficient, so it was decided to install two new pumps. Two new Pomona centrifugal pumps were installed, one of 30,000 Imperial gallons per minute driven by a 100 h.p. electric motor and the other of 15,000 gallons per minute driven by a 50 h.p. electric motor. The motors are of the vertical type, directly connected to the shafts of the pumps, thus eliminating any belts or gears.

New intake flumes and pump wells were built of reinforced concrete, and these serve as a foundation for the pump house, which is 16 feet by 32 feet. The pump house is of frame construction, lined on the inside with V-sheeting and on the outside with one-inch lumber covered with cedar grain asbestos shingles. The walls are insulated with rock wool. The roof is covered with asbestos shingles, and the floor is of reinforced concrete.

The dykes surrounding the marsh had settled, thereby endangering the marsh to flooding during spring floods. These dykes were built up to make them safe against floods.

All this work was examined and found to be completed in a very satisfactory manner.

The total cost of the work was \$32,421.06 and on a report of a grant of \$6,484.21, being 20% of the cost, was paid to the Township of West Gwillimbury, in accordance with the Provincial Aid to Drainage Act.

Burke Drainage Works, Harwich Township:

This is a pumping scheme in which about 1,500 acres of low-lying land is drained by embankments and pumping. It is situated on the north shore of Lake Erie, and the embankment along the lake shore has been a source of trouble and expense since the scheme was started in 1914.

In the spring of 1943 the high water of the lake and the wave action broke through the embankment and a lot of emergency repair work had to be done to prevent flooding the whole area. Mr. George A. McCubbin, Civil Engineer, of Chatham, was consulted and the embankment was repaired according to his report, plans and specifications.

In 1930 a timber sea wall was built for a distance of 3,000 feet along the shore at the east end of the dyke. Groynes were built from this wall extending 50 feet out into the lake and spaced 50 feet apart. The sea wall and groynes were built by driving timber piles 6 feet apart, bolting 6" x 8" walings to the piles and driving 6" sheet piling along the walings. During the high water of the lake in the spring of 1943 most of this sea wall proved to be too low, and Mr. McCubbin recommended raising it and the groynes 20 inches higher for a distance of 2,000 feet. This was done by driving new round piles half-way between the old piles and bolting 6" x 8" longitudinal timbers to the new piles. Three new groynes were built to the west of the sea wall and were similar to the old one.

In addition to the work done on the sea wall a new pump house was built and a new Pomona centrifugal pump of 30,000 Imperial gallons per minute driven by an International Harvester Co. Diesel engine of 120 h.p. was installed. The pump house is 16 feet by 22 feet, built of concrete blocks, resting on a concrete foundation with metal roof.

The total cost of all this work was \$39,519.29. The work was examined and found completed in a satisfactory manner. On report a grant of \$7,903.86, being 20% of the cost of the work, was paid to the Township of Harwich.

McGregor Creek Drain, Howard Township:

This drain was repaired in accordance with the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham.

The repairs consisted of deepening and widening the old drain from King's Highway No. 21 between lots 12 and 13 just north of the 5th Concession road westerly across lots 12 to 1, Concession 5, Howard Township, then crossing into Harwich Township and continuing west to lot 21, Concession 12 in that Township. The total length of drain improved was a little over 7 miles. It was widened to a bottom width of 4 feet at the upper end, gradually widening to 24 feet at the lower end. The depth of cut averaged about 2 feet and the side slopes were 1 to 1.

The cost of this work was \$17,642.00. The work was examined and found completed in a satisfactory manner and on report a grant of \$3,528.40, being 20% of the cost, was paid to the Township of Howard.

Little Bear Creek Drain, Camden Township:

This drain was repaired in accordance with the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham.

The repairs consisted of deepening, widening and straightening the old

drain from the boundary road between Camden and Zone Townships on lot 3, westerly across Camden Township to lot 1, Concession 6, a total distance of 7 miles. It was widened to a bottom width of 4 feet at the upper end and 14 feet at the lower end. The depth of cut averaged about 2 feet and the side slopes are 1 to 1.

The cost of the work was \$11,579.00. The drain was examined and found completed in a satisfactory manner. On report a grant of \$2,315.80, being 20% of the cost, was paid to the Township of Camden.

Duck Creek Drain, Rochester Township:

This drain was repaired in accordance with the report, plans and specifications prepared by Mr. C. B. Allison, Civil Engineer, of Belle River, Ontario.

The repairs consisted of cleaning out the old drain by deepening and widening it from the line between lots 29 and 30, Concession 2, north of Lake St. Clair, a distance of a little over $4\frac{1}{2}$ miles. It has a bottom width of 3 feet at the upper end, gradually widening to 25 feet at the lower end. The depth of cut averaged about 2 feet and the side slopes are 1 to 1.

The cost of these repairs was \$19,957.77. The work was examined and found completed in a satisfactory manner, and on report a grant of \$3,991.55, being 20% of the cost, was paid to the Township of Rochester.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER.

Engineer of Public Works.

Toronto, March 31, 1946.

S T A T E M E N T S
of the
A C C O U N T A N T
of
Public Works Department
1945-1946

Department of Public Works, Ontario,
TORONTO, March 31st, 1946.

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works.

SIR:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and Maintenance and Repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Public Buildings and Public Works during the fiscal year which ended on the 31st of March, 1946.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,

Secretary and Accountant.

SUMMARY OF EXPENDITURE
FOR FISCAL YEAR APRIL 1st., 1945 to MARCH 31st., 1946

SERVICE	ORDINARY	CAPITAL	TOTAL
Main Office—Administration expenses, etc.....	\$ 161,537.34		\$ 161,537.34
Maintenance and Repairs—Government Buildings	825,454.52		825,454.52
Public Works — Maintenance.....	15,013.76		15,013.76
Public Buildings		\$413,731.52	413,731.52
Public Works		12,991.55	12,991.55
Miscellaneous		25,000.00	25,000.00
Statutory — Drainage Aid.....	24,223.82		24,223.82
Special Warrants	7,386.09		7,386.09
TOTAL NET EXPENDITURE.....	\$1,033,615.53	\$451,723.07	\$1,485,338.60

STATEMENT OF REVENUE

Commission on telegraphs and telephones.....	\$ 4,056.65	\$ 4,056.65
Sale of materials.....	2,332.64	2,332.64
Sale of produce and stock.....	28,294.20	28,294.20
Rentals	29,059.42	29,059.42
Perquisites	1,986.00	1,986.00
Building equipment.....	215.75	215.75
Miscellaneous	106.20	106.20
Compensation from Dominion Government re- leasing of Provincial buildings for war pur- poses	173,648.00	173,648.00
Refunds — Miscellaneous.....	269.56	269.56
Insurance—Recovery of fire loss in Treasury Department	2,635.58	2,635.58
Sale of property.....		100.00
Contract security deposits.....		18,289.00
	\$242,604.00	\$18,389.00
		\$260,993.00

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st., 1946
ORDINARY

SERVICE	AMOUNT	AMOUNT
MAIN OFFICE:		
Salaries	\$91,928.27	
Travelling expenses	2,909.12	
Maintenance	4,999.84	
Insurance and lightning rods.....	14.20	
Local Improvement taxes.....	333.20	
Unforeseen and unprovided.....	14.57	
Compensation, medical, hospital and other accounts for work- men injured in Government work.....	3,045.41	
Cost of living bonus—entire Department.....	57,370.77	
Unemployment Insurance stamps.....	921.96	
		\$ 161,537.34
GENERAL SUPERINTENDENCE:		
Salaries	\$ 13,152.42	
Services, travelling and other expenses.....	5,067.73	
		\$ 18,220.15
LIEUTENANT-GOVERNOR'S APARTMENT:		
Salaries	3,365.00	
Maintenance	602.42	
LEGISLATIVE AND DEPARTMENTAL BUILDINGS:		
		\$ 3,967.42

SERVICE		AMOUNT	AMOUNT
Administrative Services—			
Salaries		27,021.94	
Telephone Service		46,756.09	
Typewriter inspection and repairs—all Departments		4,189.54	
Maintenance Staff—			
Salaries—Permanent	\$ 60,920.72		
Temporary	139,506.69		
Casual	40,072.75		
		\$240,500.16	
Maintenance—			
Fuel, light, gas, water and power	80,312.38		
Cleaning supplies, upkeep of grounds	19,387.70		
Furniture, furnishings and equipment for buildings	5,263.79	6,224.94	
		\$104,963.87	
Mechanical Staff—			
Salaries		6,224.94	
Repairs and alterations		106,736.72	
		536,393.25	
Deduct Rentals		3,000.00	
		\$ 533,393.26	
OSGOODE HALL:			
Salaries—Permanent	\$11,366.66		
Temporary	14,257.70		
Casual	3,616.68		
		\$29,241.04	
Maintenance—			
Fuel, light, water and power	\$6,773.16		
Furniture, furnishings and equipment	45.00		
Telephone service	2,790.53		
Cleaning of buildings and incidentals	946.52		
General repairs and alterations	10,213.54		
		\$20,768.75	
		\$ 50,009.79	
EDUCATIONAL BUILDINGS:			
Repairs and incidentals—			
Toronto Normal and Model Schools	129.26		
London Normal School	220.07		
Hamilton Normal School	47.19		
Peterborough Normal School	1,633.50		
Stratford Normal School	371.62		
North Bay Normal School	217.18		
School for the Deaf, Belleville	3,749.18		
School for the Blind, Brantford	888.95		
Ontario Training School for Technical Teachers, Hamilton	62.23		
General—To provide for repairs, installation of boilers in Educational Buildings and fire protection	3,593.01		
		\$10,912.19	
To provide for expenses in connection with leasing of the Normal School, Ottawa to the Dominion Government		49.99	
		\$ 10,962.18	

SERVICE	AMOUNT	AMOUNT
AGRICULTURAL BUILDINGS:		
Repairs and incidentals—		
Ontario Agricultural College, Guelph.....	\$11,852.19	
Horticultural Experiment Station, Vineland.....	899.95	
Western Ontario Experimental Farm, Ridgetown.....	112.10	
Agricultural School, Kemptville.....	1,681.91	
General—To provide for repairs, installation of boilers and heating plants in Agricultural Buildings and fire protection	365.95	
	<u>\$</u>	14,912.10
TRAINING SCHOOLS:		
Repairs and incidentals—		
Ontario Training School for Girls, Cobourg.....	95.10	\$ 95.10
DISTRICT BUILDINGS:		
Repairs and alterations, furniture and furnishings and improvements to grounds for all District buildings:		
Algoma	\$1,068.65	
Cochrane	437.25	
Kenora	1,744.48	
Manitoulin	93.63	
Muskoka	512.43	
Nipissing	302.11	
Parry Sound	178.10	
Rainy River	549.04	
Sudbury	2,672.36	
Temiskaming	385.24	
Thunder Bay	18,679.51	
General—To provide for repairs, installation of boilers and heating plants and fire protection.....	3,610.39	
	<u>\$</u>	30,233.19
Salary of Caretaker, Temiskaming.....		1,065.89
Government Building, Matheson—Maintenance.....		5.88
ONTARIO HOSPITALS:		
Repairs and incidentals—		
Brockville	472.92	
Cobourg	2,340.25	
Hamilton	4,149.19	
Kingston	11,255.24	
London	424.00	
New Toronto	6,304.42	
Orillia	8,737.02	
Penetanguishene	805.83	
Toronto	842.92	
Psychiatric, Toronto.....	467.07	
Whitby	7,134.63	
Woodstock	735.74	
Fort William.....	985.62	
Concord	949.63	
Langstaff	5,164.72	
Contingencies	294.15	
	<u>\$</u>	51,063.35
ONTARIO HOSPITALS (Continued)		
ST. THOMAS:		
To provide for expenses in connection with the leasing of Hospital to the Dominion Government for the purposes of National Defence (Recurring charges recoverable from the Dominion Government, in accordance with Agreement)		187.69
Farm operating expenses—		
Salaries	\$ 4,637.92	
Expenses	20,214.05	
	<u>\$24,851.97</u>	
	<u>\$</u>	25,039.66

SERVICE	AMOUNT	AMOUNT
ONTARIO REFORMATORIES:		
To provide for expenses in connection with leasing of Reformatories to the Dominion Government for the purposes of National Defence (Recurring charges recoverable from the Dominion Government, in accordance with Agreement)	25.00	
	\$	25.00
PUBLIC WORKS:		
Maintenance—		
Salaries: Lockmasters, Supervising Foremen, etc.....	\$4,988.99	
Repairs to locks, dams, etc.	7,379.88	
Equipment	34.52	
Maintenance of Hawkesbury-Grenville Bridge.....	2,610.37	
	\$	15,013.76
ONTARIO GOVERNMENT OFFICE BUILDINGS:		
GALT—		
Rental of premises and incidental expenses.....	\$2,772.00	
KINGSTON—		
Maintenance—		
Salaries of Caretakers.....	\$2,208.74	
Cleaning supplies, fuel, electricity, water, repairs and incidentals.....	3,244.74	
	5,453.48	
	\$	8,225.48
MISCELLANEOUS:		
To provide for the costs of moving patients, inmates and staffs of Provincial Institutions leased to the Dominion Government for war purposes, including repairs and alterations to buildings and all expenses in connection with providing quarters during the terms of the agreements (lump sum payments received from Dominion, as per agreements, deposited as revenue)	\$78,236.07	
	\$	78,236.07
STATUTORY—DRAINAGE AID:		
Townships of—		
Camden	\$2,315.80	
West Gwillimbury.....	6,484.21	
Harwich	7,903.86	
Howard	3,528.40	
Rochester	3,991.55	
	\$	24,223.82
SPECIAL WARRANTS:		
Purchase and framing of portrait of Gordon D. Conant, K.C., B.A., LL.B., ex-Prime Minister of Ontario.....	60.00	
Rental and caretaking of leased premises for office accommodation	7,326.09	
	\$	7,386.09
TOTAL ORDINARY EXPENDITURE.....		
		<u>\$1,033,615.53</u>

CAPITAL

SERVICE	AMOUNT	AMOUNT
PUBLIC BUILDINGS:		
General—		
To provide additional accommodation for Government purposes, including construction of new buildings and works, purchase of lands and other expenses in connection therewith.....	\$356,351.74	\$ 356,351.74
ONTARIO HOSPITALS:		
General—		
Additions, alterations, equipment and fireproofing.....	22,779.45	
ORILLIA—		
Construction of new Patients' Buildings to provide accommodation for approximately 300 patients and expenses in connection therewith, including purchase of additional land	28,599.06	\$ 51,378.51
ONTARIO REFORMATORIES:		
Additions, alterations, equipment and fireproofing.....	3,185.63	\$ 3,185.63
DISTRICT BUILDINGS:		
To provide for construction of works and buildings, alterations and fireproofing and expenses in connection therewith	705.38	\$ 705.38
AGRICULTURAL BUILDINGS:		
Horticultural Experiment Station, Vineland — To provide sewage disposal system and increase water supply.....	\$2,110.26	\$ 2,110.26
PUBLIC WORKS:		
Municipal Drainage	4,418.62	
Storage Dams and Docks.....	8,572.93	\$ 12,991.55
MISCELLANEOUS:		
Grant toward the cost of a flood control and drainage scheme known as the Nolins' and Junction Creek Drainage Works in the City of Sudbury.....	25,000.00	\$ 25,000.00
TOTAL		\$ 451,723.07
CAPITAL EXPENDITURE		

SUMMARY.

ORDINARY EXPENDITURE:		
Main Office and Maintenance and Repairs of Government Buildings		\$1,033,615.53
CAPITAL EXPENDITURE:		
Public Buildings and Public Works.....		451,723.07
		<u>\$1,485,338.60</u>

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REPORT

OF THE

Minister of Public Works

FOR THE

Province of Ontario

FOR THE

Twelve Months Ending March 31st, 1947

1946/47
Printed by Order of
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent
Majesty 1948

REPORT

OF THE

Minister of Public Works

FOR THE

Province of Ontario

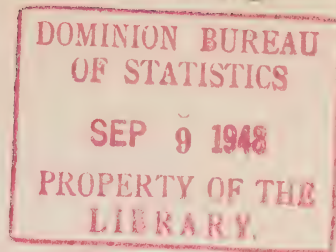
FOR THE

Twelve Months Ending March 31st, 1947

Printed by Order of
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 8 — 1948



TORONTO



Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty 1948

TO:

The Honourable Ray Lawson, O.B.E., LL.D.,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under the control of the Public Works Department, comprising the reports of the Deputy Minister, Chief Architect, Engineer, Secretary and Accountant for the twelve months ending the 31st of March, 1947.

Respectfully submitted,

GEO. H. DOUCETT,
Minister of Public Works.

Department of Public Works, Ontario.
Toronto, March 15, 1948.

R E P O R T

OF THE

Deputy Minister of Public Works

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying reports of the Chief Architect, Engineer, Secretary and Accountant for the financial year, April 1, 1946, to March 31, 1947.

These reports indicate increasing activities in the commencement of new projects and the preparation for an expanding programme of construction, to provide facilities for the various departments to adequately serve the people of Ontario.

CHIEF ARCHITECT'S BRANCH

The construction of new mental hospitals, postponed during the war years, has been resumed and a new site selected in the Township of Montague. A contract has been awarded to Messrs. Anglin-Norcross, Ontario, Limited, and work is in progress for the erection of the first section of this Ontario Hospital School. This new Institution, when fully completed in accordance with present plans, will accommodate 1200 patients; these buildings now under way will have a capacity of 900 beds.

The work undertaken by this Branch has covered a multitude of varying jobs, but the transition from a wartime economy to peacetime, has brought many problems and the actual amount of work brought to completion has been limited by the available manpower and material shortages.

A considerable quantity of construction equipment and supplies was purchased from the Department of Mines and shipped from the Lignite Plant at Onakawana to the Stores Building at 1200 Sheppard Avenue and will be used as required on new construction projects.

While this report gives in detail the regular work carried out by this Branch, it should also be noted that a considerable amount of technical service has been rendered to assist other departments of the Government in administering Acts under their control.

ENGINEER'S BRANCH

The usual repair and maintenance of locks and dams has been carried out where necessary and the following new dams were constructed:

Naiscoot River Dam — Parry Sound District

Dollars Dam (South) — Parry Sound District

Municipal drainage work was carried out in the Northern Districts and financial assistance was given for drainage works to the Town of Capreol, Township of Duro, Township of Matchedash, Township of Orillia and Township of Sunnidale.

Under the Provincial Aid to Drainage Act, (Chapter 70, R.S.O., 1937) eight Townships were given financial assistance towards the cost of nine drainage schemes.

Grants were made to the City of Sudbury towards the cost of a flood control and drainage scheme, known as the Nolin's and Junction Creek Drainage Works and aid was given to the Grand River Conservation Commission to carry out preliminary work in connection with the proposed construction of the Conestoga Dam and the Township of Harwick was given a grant towards the cost of the Shrewsbury Dock.

SECRETARY AND ACCOUNTANT'S BRANCH

The statement of revenue shows an increase over the normal receipts which is occasioned by the sale of the following properties:

Town of Leaside

Sale of garage building. Sale price, \$75,000.00 less portion transferred to Department of Highways, \$14,610.00	\$ 60,390.00
--	--------------

Toronto

Sale of land, Peter and Wellington Streets	3,200.00
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Gravenhurst

Sale of Lot 23, North side of David Street, East side of Muskoka Road	150.00
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	\$ 63,740.00
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Expenditures for ordinary and capital purposes are summarized as follows:

Main Office	\$ 154,254.68
Maintenance and Repairs	987,350.22
Drainage Aid	27,687.89

Total Ordinary	\$ 1,169,292.79
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Public Buildings, etc	1,419,087.19
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Total Expenditure	\$ 2,588,379.98
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I have the honour to be, Sir,

Your Obedient servant,

GEORGE N. WILLIAMS,

Deputy Minister of Public Works and Chief Architect.

TORONTO, March 15, 1948.

REPORT OF THE CHIEF ARCHITECT

The Honourable Geo. H. Doucett, M.P.P.,
Minister of Public Works.

Sir:

I have the honour to report on the work done by the Architect's Branch of the Department of Public Works, Ontario, during the fiscal year, April 1st, 1946, to March 31st, 1947, as follows:

ONTARIO GOVERNMENT INSTITUTIONS LOANED

To

THE DEPARTMENT OF NATIONAL DEFENCE, CANADA

During this fiscal year the following Ontario Government Institutions, which were previously turned over, all or in part, to the use of the Department of National Defence for purposes of World War II, are still being retained for this purpose:

Ontario Hospital, London (portion of lands only)
Industrial Farm, Monteith
Normal School, Ottawa.

The following Institutions have been returned by the Department of National Defence to the Province following termination of lease arrangements:

Returned during this fiscal year:

Ontario Hospital, St. Thomas, as of May 31st, 1946
Boys' Training School, Bowmanville, as of June 13th, 1946
Ontario Hospital, Brampton, as of August 10th, 1946.

Returned previous to this fiscal year:

Ontario Hospital, Port Arthur (Administrative Bldg.) as of
February 15th, 1944
Ontario Reformatory, Mimico, as of May 1st, 1944
Agricultural School, Kemptville, as of May 1st, 1944
Normal School, Toronto, as of July 12th, 1944
Ontario School for Deaf, Belleville, as of July 15th, 1944
Training School for Technical Teachers, Hamilton, as of
September 1st, 1944
Ontario Agricultural College, Guelph, as of February 19th, 1945
Girls' Training School, Galt, as of April 20th, 1945.

Further remarks regarding the return and reconversion of these Institutions will be found in the body of this report under their respective sub-divisions.

A considerable amount of work was rendered by this Branch of the Department, in connection with the continued use of the enumerated Institutions still on loan to the Department of National Defence, as well as in connection with the above Institutions referred to as being returned to the use of the Province during this fiscal year.

Construction work carried on by this Department during this fiscal year, was adversely affected by continual shortages of skilled labour, essential construction materials and equipment and many projects were of necessity, deferred awaiting more favourable condition in the construction industry.

Persistent efforts to obtain additional skilled technicians met with little success and as a result this very important phase of our work was greatly hampered.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Working drawings for the initial stages of remodelling the East Wing of the Parliament Buildings were further developed and preliminary arrangements to start the work were made. This work included plans for a new fire tower stairway at the north end of the east wing, new fire tower stairs and elevator shafts at the east entrance and at the grand stair case and plans for remodelling lavatories in this wing.

In this group of buildings, general routine repairs, replacements and changes were carried out in all trade branches but this work also was restricted by material and labour shortages referred to above.

Work in this category included general maintenance and repairs of roofs, plasterwork, masonry, windows, doors and other interior woodwork. A considerable amount of interior painting was done and storage shelves were built in offices and vaults as necessary.

General repairs and replacements were also carried out in connection with furniture, furniture upholstery, linoleum, blinds and other such equipment and finishes.

The mechanical systems and services throughout these buildings were kept in repair and general improvements were made, as required, in connection with plumbing, heating, ventilation, refrigeration and electrical systems and the elevators were regularly inspected.

The work of improving the electric lighting systems, started in the previous year, was continued and expanded during this fiscal year.

Numerous sectional partitions were installed in various offices throughout the Parliament Buildings and East Block to divide existing offices.

Included in the general work, as above described, the following items were considered of sufficient interest to warrant mention, for purposes of record, in this report:

Parliament Buildings:

Improvements were made in the Legislative Chamber including rearrangement of platforms and seating layouts in the Speaker's Gallery and the galleries immediately below to provide more comfortable arrangements. The front railings of the Public Galleries were increased in height by addition of a safety rail.

Extensive repairs were made to the copper finials and ridges of the roof over the Chamber.

Alterations were made in a group of offices at the main entrance to provide suitable office accommodation for the Honourable the Provincial Secretary.

A dark room was installed for the Photographic Division of the Department of Travel and Publicity.

The names of the members of the 20th and 21st Legislatures were inscribed in the marble panels located on the ground floor of the North Wing.

East Block:

The work of repointing the exterior stonework of this building was continued throughout this fiscal year, but progress was again limited by shortage of skilled labour.

Acoustical ceilings were applied in some offices where large groups of business machines were in operation and the noise level impaired the efficiency of the operators.

In addition to the routine maintenance and repair of office cabinetwork and other equipment, numerous items of special equipment were manufactured in the Department's workshops in the East Block, including special electrical installations for incubators, water baths and other laboratory equipment for the Department of Health. Packaging and crating of equipment and furniture, as required by various Departments for shipment to outside points, contributed a large volume of work to the carpenter shop.

The central boiler plant, located in the East Block, provides steam for heating and other special purposes to the Psychiatric Hospital and the Banting Institute as well as the Parliament Buildings and East Block and numerous smaller buildings in the vicinity. The plant was maintained and kept in repair for this important work.

Subsidiary Buildings:

General maintenance work and repairs in various trade branches were carried out in the following buildings:

Numbers 11, 13, 15 and 39 Queen's Park
112 College Street
454 University Avenue (Liquor Control Board)
807 Richmond Street, West (Sewage Laboratory)
Department of Highways' Garages, Surrey Place and Leaside
Department of Health, Serology Laboratory Annex, Mimico
Department of Health, Office Annex, 1011 Queen Street, West
1200 Sheppard Avenue.

The following items are listed for purposes of record:

At No. 13 Queen's Park, alterations were made to provide quarters for the headquarters staff of the Ontario Provincial Police.

At 112 College Street, alterations were carried out to equip this building for use as an Outpatient Clinic to be operated in conjunction with the Psychiatric Hospital and to relieve the crowded conditions of the Clinic in the hospital building. The Farm Service Force Branch of the Department of Agriculture, formerly housed in this building, were removed to leased premises at 9 Richmond Street, East, Toronto, and the premises there were fitted out for this purpose.

At 178 Queen's Quay, two buildings of fire resisting construction, which formed part of the R.C.A.F. Equipment Depot at this point, were purchased and extensive alterations carried out to fit one building for use as a central repair garage for Ontario Provincial Police cars. Facilities provided include workshops and equipment for mechanical repairs, upholstery, spray painting, parts stores and offices. The second building was altered to provide dead storage for cars and parts. As these buildings were formerly heated from the R.C.A.F. central heating plant it was also necessary to install a new boiler plant in the main garage building together with washrooms and other service rooms for staff.

At 454 University Avenue, improvements were made to the electric lighting system in some offices, repairs and replacements were made to the plumbing and heating systems and the elevator was inspected and kept in repair.

At 1200 Sheppard Avenue, a group of buildings owned by the Dominion and formerly a part of the Dehavilland Aircraft Plant, were purchased and extensive alterations carried out to provide much needed additional space in this district for offices, draughting rooms, laboratories and stores all as required by various Departments to relieve the overcrowded conditions in the East Block and to take care of their expanding requirements.

At 455 Spadina Avenue, new sectional partitions were installed, the electric lighting improved and the rooms painted to fit these leased premises for use by the Venereal Diseases Division of the Department of Health.

At 501 Wellington Street, West, partitions were erected to form two offices for the Department of Lands and Forests in these leased premises.

Osgoode Hall:

General routine repairs, replacements and minor changes were carried out at these premises. The following items are mentioned for purposes of record:

The old, unused, kitchen and pantry on the second floor were cleaned out and alterations made to provide two additional offices for Judge's Chambers.

Repairs were made to mosaic tile floors in the main halls and some rotted timbers were removed and replaced with steel supports.

The plumbing, heating and electrical systems were repaired and improved and the elevator was inspected and kept in repair.

EDUCATIONAL BUILDINGS

Normal and Model School, Toronto:

These premises were continued in use as a Rehabilitation Centre by the Department of Education under a Dominion-Provincial Training Programme.

Routine maintenance of these buildings was generally done by the School as part of the Vocational Training Programme but this Department arranged a contract and work was started on major repairs and replacements of roofing and sheet metal work over all buildings.

The former Earl Kitchener School on Pape Avenue, Toronto, leased from the City of Toronto during the war years as temporary quarters for Normal School work, was purchased during this fiscal year. General routine repairs were carried out including repairs and replacements of mechanical systems. The interior of the school, generally, was redecorated and the floors of the auditorium and ante rooms were sanded and refinished.

Normal and Model School, Ottawa:

These premises are still on loan to the Dominion Government and, as noted in my previous annual report, were loaned as of November 1st, 1939.

The Normal School classes are being carried on in temporary quarters located in the Mutchmor School, Ottawa.

Normal School, London:

Minor routine repairs were made to this building and to the master clock system and minor stoker replacements were made.

Normal School, Hamilton:

Minor repairs, as required, were made to this building; repairs were made to the programme clock system and the temperature controls were overhauled.

A new condensate return pump was installed on the heating system and minor repairs were made to the boiler.

Considerable damage was caused to the roof by a wind storm: this was repaired.

Normal School, North Bay

Routine repairs were carried out, the interior walls and ceilings were washed down and the auditorium seating was rearranged.

Fire brick lining of number 2 boiler was renewed, the room temperature control system was overhauled.

The electric lighting system was improved in some classrooms.

Normal School, Peterborough:

Routine repairs carried out at this school included the retubing of No. 2 boiler.

A new condensate pump was installed and improvements made to the heating system, generally.

Normal School, Stratford:

Routine repairs only were carried out at this School.

Ontario School for Deaf, Belleville:

General routine repairs and replacements were carried out including new shades for 124 windows and repairs to plaster in classrooms and Superintendent's Residence.

General repairs and replacements in connection with mechanical systems included, complete retubing of No. 1 and 2 boilers, rebuilding of front wall of No. 4 boiler, overhaul of boiler feed pump and installation of a new coal hoist. A new hot water convertor was installed in the Superintendent's Residence.

Ontario School for Blind, Brantford:

In addition to the normal routine repairs to buildings and mechanical systems at this Institution the following work was also carried out:

New roofs were laid over the gymnasium building and connecting passageways.

The brick and stone gable over the south entrance to the Main Building was taken down and rebuilt.

A new incinerator was erected at the base of the boiler plant chimney.

A new domestic hot water tank and heating element was installed in Main Building.

Two steam driven vacuum pumps were completely overhauled.

Provincial Institute of Textiles, Hamilton:

The former Ontario Technical Teachers' Training College at this location was converted during this year to provide facilities for the new Provincial Institute of Textiles under the control of the Department of Education. Routine repairs were carried out as usual.

Provincial Institute of Mining, Haileybury:

General Routine repairs were carried out in this building.

AGRICULTURAL BUILDINGS**Ontario Agricultural College, Guelph:**

The work of restoring, to their former condition, the buildings and grounds, loaned during the war to the Department of National Defense, was carried forward during this fiscal year. This work as noted in my previous annual report was done under agreement with the Dominion Government whereby the cost of such restoration work was reimbursed to the Province.

The work started at this College in the previous year, to provide accommodation, of a temporary nature, for the greatly increased student enrolment was continued during this fiscal year but progress again was limited by the general shortage of labour and materials.

Work under this heading, started in the previous year and now completed or substantially completed included:

Conversion of former R.C.A.F. outstation building, to provide new accommodation for Bacteriological Department.

The large addition to the Chemistry Building.

The large addition to the Soils Building.

The addition to the Biology Building.

Alterations to Mills Hall to provide additional living quarters for students.

Alterations to Horticultural Building, top floor, also for students' quarters.

Work was also started and substantially completed, during this fiscal year on:

A new Animal Husbandry Pavilion.

Alterations to second floor of existing Animal Husbandry Building to provide accommodation for Economics Department.

Alterations to old Power House Coal Storage Building to provide additional storage areas for vegetables.

A start was also made during this fiscal year on the following projects not previously mentioned:

Alterations to old Farm Mechanics Buildings to provide more suitable accommodation for the Agricultural Engineering Department.

Alterations to old Storage Building to provide workshops for plumbers, steamfitters, painters and storage for their materials, also to provide accommodation for the Exhibits Department and general storage.

Contracts were awarded for the supply and installation of a large new steam generating unit, extensions to the overhead coal hopper, extension of the boiler house chimney and other improvements and extensions required in connection with the increased demand for steam.

In addition to the foregoing items of restoration work, alterations and extensions, this Department also carried out general maintenance and repair and replacement work in all branches of construction on the various buildings of the College, beyond the scope of the staff maintenance mechanics at the College.

Ontario Veterinary College, Guelph:

Construction of the large permanent addition and extensive alterations to the Main College Building, started in the last fiscal year, have been continued, but the work has been hampered by the prevailing shortages of labour and essential materials.

Work also was continued on the new Hog Clinic, the new Fox and Mink Building and the new Laboratories for poultry and small animals, all of which are now nearly completed.

A former army hut was dismantled at Brampton and will be re-erected at this College to provide temporary classroom accommodation.

A new residence for the Principal of the College was planned and the work started.

In addition to the foregoing, routine repairs were made to the existing buildings.

Agricultural School, Kemptville:

The restoration work, following return of this School to the Province from the Dominion Government, started in the previous year, was completed this year.

To provide much needed additional temporary accommodation at this School, 10 wooden buildings at Kingston were purchased from the War Assets Corporation, removed to Kemptville and re-erected complete with plumbing, heating and electrical systems.

Routine repairs were made to the permanent buildings including repairs to roofs of several buildings and repairs and replacements to mechanical systems as required.

Experimental Farm, Ridgetown:

Routine repairs were made as required.

Demonstration Farm, Hearst:

Routine repairs were made as required.

Horticultural Experimental Station, Vineland:

Extensive repairs and replacements were carried out at this Institution including:

New shingle roofs on three staff cottages.

New stucco finish on two staff cottages.

Glass was removed from East and West range greenhouses, general repairs made, the glass replaced and the whole painted.

The exteriors of the main barn, ice house and cold storage warehouse and elevated water storage tank were painted.

Three hundred tons of large stone boulders were placed along the lakeshore to resist further erosion.

Nos. 1 and 2 boilers were retubed and general repairs made to mechanical system.

Demonstration Farm, New Liskeard:

Routine repairs were made, as required.

Fruit Inspection Building, Winona:

Plans were prepared, contracts awarded and a building erected for fruit inspection purposes on the Queen Elizabeth Way.

Rural Youth Training Centre, Cayuga:

Alterations were made to an existing building to provide temporary facilities for training purposes.

DISTRICT BUILDINGS

Algoma:

Court House, Sault St. Marie: Routine repairs were made.

Gaol, Sault Ste. Marie: Routine repairs were made.

Cochrane:

Court House, Cochrane: Routine repairs were carried out.

Lock-up, Hearst: Minor repairs were carried out.

Lock-up and Office Building, Matheson: Routine repairs were made.

Kenora:

At Kenora, a parcel of land adjoining the Court House property was purchased as a site for a proposed new office building.

Court House, Kenora: Routine repairs were carried out.

Gaol, Kenora: Routine repairs were made.

Gaoler's Residence, Kenora: Routine repairs were made.

Government Office Building and Lock-up, Sioux Lookout: Routine repairs were made.

Manitoulin:

Court House and Registry Office, Gore Bay: Routine repairs were made.

Lock-up, Gore Bay: Routine repairs were made.

Muskoka:

Court House, Bracebridge: Routine repairs made at this place included slate roof repairs and a new set of grates for the heating boiler.

Gaol, Bracebridge: Routine repairs were made.

Registry Office, Bracebridge: Routine repairs were made and a new wood counter installed.

Nipissing:

Court House, North Bay: Routine repairs were made, a new railing was installed in the library of the Judge's Chambers and a new hot water boiler was installed.

Registry Office, North Bay: Routine repairs were made.

Gaol, North Bay: Routine repairs were made, paint was furnished for application by prisoners, a safety screen purchased last year was installed in the visiting room and a cooking range brought from the Boys' Training School, Galt, was installed.

Parry Sound:

Court House, Parry Sound: Routine repairs were made, new lighting fixtures were installed in the Sheriff's Office and Provincial Police Office, and a basin installed in the Crown Attorney's Office.

Registry Office, Parry Sound: Routine repairs were made and new lighting fixtures installed.

Gaol, Parry Sound: Routine repairs were made, paint supplied for application by prisoners and new window shades installed.

Lock-up, Burk's Falls: Routine repairs were made.

Rainy River:

Court House, Fort Francis: Routine repairs were made, a new cooking range was supplied for caretaker's apartment, shelving was installed in library, and extensive repairs made to heating system including retubing of No. 2 boiler.

Registry Office, Fort Francis: Routine repairs were made.

Gaol, Fort Francis: Routine repairs were made.

Lock-up, Fort Francis: Routine repairs were made and office spaces painted.

Provincial Police Quarters, Red Lake: A heating stove and some furniture were purchased for the temporary quarters at this location.

Lock-up and Constable's Residence, Atikokan: Routine repairs were made.

Sudbury:

Court House, Sudbury: Routine repairs were made, new lighting fixtures were installed in the Court Room and the walls and ceiling washed.

Registry Office, Sudbury: Routine repairs were made.

Gaol, Sudbury: Routine repairs were made.

Lock-up, Foleyet: Routine repairs were made, an oil burning space heater installed and a new bath tub purchased.

Temiskaming:

Court House, Haileybury: Routine repairs were made, parapet walls and roofs were repaired and all exterior sheet metal work painted. No. 1 boiler was retubed.

Registry Office, Haileybury: Routine repairs were made.

Gaol, Haileybury: Routine repairs were made and new locks supplied for some rooms.

Lock-up, Elk Lake: Routine repairs were made.

Lock-up, Englehart: Routine repairs were made.

Mining Recorder's Office, Swastika: Routine repairs were made.

Thunder Bay:

Court House, Port Arthur: The general programme of renovation of the interior of this building was continued during this year but progress was retarded by shortages of labour and materials.

Registry Office, Port Arthur: Routine repairs were made.

Gaol, Port Arthur: Routine repairs and replacements were made including a new cooking range, 60 new prison locks, a vent canopy was installed in the kitchen and improvements made to the laundry heating system.

Registry Office, Fort William: Routine repairs were made.

ONTARIO HOSPITALS**Ontario Hospital, Brampton:**

This Institution, on loan to the Department of National Defence during World War II was returned to the Province on August 10th, 1946. The large army encampment was taken over with the property by arrangement with the Dominion Government as part of the settlement agreement. This Institution was then turned over to the Department of Reform Institutions for use as a reformatory for young prisoners as later referred to in this report.

Ontario Hospital, Brockville:

General routine repairs were carried out, a new pasteurizing machine installed and two food conveyors provided.

Ontario Hospital, Cobourg:

General routine repairs were made including repairs to boilers, chimneys and lightning rods on boiler room stacks.

Ontario Hospital, Fort William:

Routine repairs were made. The laundry was increased in size and equipment re-arranged. Arrangements were made to complete the new barn, work having been halted by material shortages during the previous year.

Ontario Hospital, Hamilton:

General routine repairs were made including repairs to the roofs of various buildings and repairs to passenger elevator in Infirmary Building.

Following a fire in the service wing of Orchard House, plans were made to remodel this wing including the kitchen and service rooms and the work was started immediately. Renovation of the staff dining room and servery in this building was also started.

A new pasteurizing machine was purchased for this Hospital.

Ontario Hospital, Kingston:

(Rockwood) General routine repairs were carried out including the application of insulating covering to two new domestic hot water storage heaters.

(Mowat) In addition to routine repairs at this division of this Institution a programme of renovation work was undertaken in pavilion No. 1. This work will include the complete rebuilding of the lavatory wings at the rear of this building, the structures of which have rotted out.

Ontario Hospital, Langstaff and Concord:

(Langstaff) General routine repairs were made including extensive repairs to plasterwork, repairs to roofs and the general overhaul of the deep wells and water pumps. Heating systems generally were repaired as required.

(Concord) Routine repairs were made as required and some new fencing material supplied.

Ontario Hospital, London:

Routine repairs were carried out including repairs to roof of rink and piggery. Defective tubes were removed from Nos. 3 and 4 boilers and replaced with new tubes.

Ontario Hospital, New Toronto:

General routine repairs were carried out.

In addition to the repair work the following items of major importance were also carried out:

The basement of cottage "A" was renovated to provide accommodation for workshops for clothing and shoe repairs.

The overhead primary electrical feeder supply line was found to be in poor condition and was replaced with a new underground service from the lake shore road to the main transformer station at the centre of the Institution.

A new hot water storage tank was installed in the laundry.

A system of underground piping was installed between the Nurses' Residence and the Greenhouse so that the Greenhouse could be heated from the central heating plant.

Ontario Hospital, Orillia:

General routine repairs were carried out including extensive repairs to metal flashings and eavestroughing on buildings generally, lightning rods were installed on the extension to the barn recently completed, No. 2 boiler was completely re-tubed and repairs made to the piggery boiler.

In addition to the foregoing, a wing of the Main Building, known as the Terrace Residence, was remodelled and equipped to provide necessary additional office space on the ground floor, a dispensary and drugs storage rooms in the basement and two apartments for married medical staff on the upper floors.

Ontario Hospital, Penetang:

General routine repairs were carried out.

Ontario Hospital, Port Arthur:

Routine repairs were carried out as required.

Ontario Hospital, Toronto (999 Queen Street, West):

Routine repairs were carried out.

In addition to the foregoing, a portion of the boundary wall at the south end of the hospital property was found to be leaning over and in serious condition, a contract was awarded and this section of the wall was rebuilt.

Psychiatric Hospital, Toronto:

General routine repairs were carried out and in addition the concrete pavement at the north and south entrances was removed and new pavement laid. Acoustical treatment was installed on the ceilings of single rooms, day rooms and corridors on the second floor of the south wing. New mastic tile flooring was laid in corridors on second floor.

Ontario Hospital, St. Thomas:

The arrangement made with the Dominion Government whereby the Province would take over the buildings as renovation work was completed by the Dominion Government, was continued during this fiscal year and the buildings, progressively taken over until this work was completed on May 31st, 1946.

General routine repairs were carried out on the buildings as taken over by the Province, the buildings were re-equipped and returned to the use of the Department of Health.

The work of repointing exterior stonework was continued during this fiscal year.

The work of changing the Chief Engineer's residence into a duplex residence with apartments for the Chief Engineer and his Assistant was carried on.

Plans were made and work started on the construction of a root house for this Institution.

An extensive programme of landscaping was undertaken including the purchase and planting of well developed trees.

Additional new laundry equipment was purchased and installed.

Ontario Hospital, Whitby:

General routine repairs were made including extensive repairs to tile roofs, tile entrance steps and interior tilework throughout the Institution. New roofs were laid over the garages and the roof of the piggery was repaired. Extensive repairs were made to the plasterwork in patients' dining halls.

Ontario Hospital, Woodstock:

General routine repairs were carried out including extensive repairs to brickwork of boilers Nos. 1 and 2.

Interior window guards were installed in 12 single room windows in the T. B. Division.

The farm under drainage system was extended by the installation of 1,850 feet of additional drainage tile.

Ontario Hospital, Montague Township:

Working drawings were completed, contracts awarded and a start made on the erection of the first section of this new Ontario Hospital School for mental defectives in Eastern Ontario.

Present plans call for an ultimate capacity of 1,200 beds for patients in this Hospital and the first projects now under way will provide beds for some 900 patients together with central dining halls and kitchen and other service wings.

EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Generally, plans were examined and recommendations forwarded to the Department of Health in connection with new construction, alterations and additions to General Hospitals, Hospitals for Incurables, Red Cross Hospitals, Sanatoria and Private Hospitals.

Proposals of various kinds were dealt with this fiscal year in connection with the following:

General Hospitals

Belleville, Belleville General
Blind River, St. Josephs
Brantford, General
Clinton, Memorial
Cochrane, Lady Minto
Dunnville, Haldimand War Memorial
Goderich, Alexandra Marine and General
Guelph, St. Josephs
Hamilton, General
Hamilton, Mount Hamilton
Hanover, Hanover Memorial
Kenora, General
Kingston, Hotel Dieu
Kitchener, Waterloo

Kitchener, St. Josephs
Leamington, District Memorial
London, Victoria
Mattawa, General
Newmarket, York County
Niagara Falls, General
North Bay, Queen Victoria Memorial
North Bay, General
Oakville, Trafalgar Memorial
Orillia, Soldier's Memorial
Oshawa, General
Ottawa, Civic
Pembroke, Pembroke Cottage
Petrolia, Charlotte E. Englehart
Port Colborne, Memorial
Southampton, Saugeen Memorial
Stratford, General
Sudbury, General
Toronto, St. Josephs
Toronto, Wellesley
Toronto, 10 Maynard Avenue (Proposed Alcoholic Clinic)
Toronto, Western
Trenton, Memorial
Walkerton, Bruce County
Winchester and District Memorial

Convalescent Homes

Fonthill, Devonia Convalescent
Hamilton, Infants Home
Kingston, St Mary's on the Lake
Kilworthy, Ontario Society for Crippled Children "Woodeden"

Red Cross Hospitals

Bancroft
Espanola
Huntsville
Mindemoya
Thessalon
Wiarton

Sanatoria

Fort William
Guelph, Homewood Sanatorium
Ottawa, Royal Ottawa Sanatorium

Private Hospitals

Ajax, University of Toronto
 Creemore, Proposed
 Copper Cliff, International Nickel Company
 Deep River, Village
 Espanola, Espanola Private Hospital
 Hagersville, Miss Ratcliff's Proposed Hospital
 Kapuskasing, Sensenbrenner
 Long Lac, Hospital
 Lansing, Missionary Health Institute
 London, Mason Villa
 London, Salvation Army Bethesda
 Markdale, Markdale Private
 Milton, Dr. Stevenson's Hospital
 Moose Factory, Newham Cottage
 Moosonee, Assumption P. H.
 Nobel, Nobel Works General
 Ottawa, Graham Private Hospital
 Ottawa, Hospital of the Good Shepherd
 Port Colborne, Elsie Nursing Home
 St. Thomas, Private Hospital
 Stayner, Rest Home
 Toronto, Oakwood Clinic
 Toronto, Mrs. A. Milbury, 23 Woodside (proposed Rest Home)
 Toronto, Homewood Rest Home
 Toronto, Fenndale (proposed Private Hospital)
 Toronto, Allen Rest Home
 Toronto, St. Mary's
 Vineland, Mennonite Brethren Bethesda Home
 Prescott, Proposed Health Centre

Department of Welfare

Brantford, Day Nursery
 Toronto, Bethel Home, Parkside Drive

ONTARIO REFORMATORIES**Ontario Reformatory, Brampton:**

The former Ontario Hospital property at Brampton which was loaned to the Dominion Government during World War II was returned to the Province on August 10th, 1946, and turned over to the Department of Reform Institutions for use as a reformatory for young prisoners.

The administration building, which is of fire resisting construction and the only permanent building built on this property and intended as the first of a group of buildings in the hospital scheme, has now been completed for use as an administration building for the Reformatory.

The large encampment of wooden construction built by the Dominion Government for army purposes was retained by the Province under arrangement with the Dominion Government, some of these buildings were remodelled and are now in use by the Reformatory for housing prisoners and others are in course of remodeling for this purpose.

Some buildings will be dismantled and the materials used in connection with the erection of temporary buildings at the Ontario Agricultural College and the Ontario Veterinary College at Guelph.

Industrial Farm, Burwash:

Co-operation was given to the Superintendent of this Institution in the matter of their building programme which included the erection of staff residences being built from plans previously prepared by this Department.

A new boiler feed pump was supplied for camp No. 2 cell block.

Ontario Reformatory, Guelph:

At this Institution repairs were made to boilers generally and boilers Nos. 3 and 4 were completely retubed.

Ontario Reformatory, Mimico:

Working drawings were prepared and the work started in connection with complete overhaul and modernization of the brick and tile making plant as was required to increase the quality and production rate to meet the needs of this Department's future building programme.

Some new brick making equipment and machinery has already been ordered for this work.

Industrial Farm, Monteith:

This Institution as noted in previous reports is still on loan to the Department of National Defence and its occupancy was continued during this fiscal year.

Andrew Mercer Reformatory, Toronto:

Routine repairs were made and fire doors were installed on the paint shop.

Boys' Training School, Bowmanville:

On expiration of the Dominion Government's occupancy of this Institution it was arranged that they would undertake the work of restoring the buildings to the condition they were in when the Dominion Government first took over. This work has been done and the buildings and grounds returned to the use of the Province on June 13th, 1946. The Department of Reform Institutions took formal occupancy this date.

Boys' Training School, Galt Division:

General routine repairs were carried out. The boiler feed pump was completely overhauled and a motor was installed on the existing platform ash hoist.

A start was made on the preparation of working drawings for a residence for the Superintendent.

Assistance was given to the Institution in the matter of laying out an athletic field for the School and mechanical grading equipment was rented for grading purposes.

Girls' Training School, Cobourg:

General routine repairs were made including extensive repairs to the heating system and heating equipment in the McCook Residence and to the stoker and boiler in the Strathmore Residence.

The roof of the Gymnasium was re-shingled.

DEPARTMENT OF LANDS AND FORESTS

Saulte Ste. Marie:

Working drawings were prepared, contracts awarded and the work started on a large addition and alterations to the Air Service Division hangar and workshops. The addition to the hangar will provide storage space for 50 planes together with a new engine test house, fabric shop and parts storage and office spaces and alterations and extensions of the present workshops, boiler plant, sea wall and ramps.

DEPARTMENT OF TRAVEL AND PUBLICITY

In connection with the setting up of Tourist Reception Centres at various points of entry to the Province, the Public Works Department arranged for the purchase of prefabricated type buildings from the War Assets Corporation, prepared working drawings for the necessary alteration work and arranged for dismantling and removal of the buildings and their re-erection at the new sites.

Buildings, for this purpose, of the type referred to above, were purchased and construction started at the following locations:

Prescott,
St. Catharines,
Windsor, (Huron Line, Bridge Exit)
Windsor, (Tunnel Exit)

At Ivy Lea, an existing building was purchased, plans prepared for necessary alterations and the work proceeded with.

Preliminary arrangements have been made and working drawings prepared for similar centres at:

Pigeon River, (Fort William District)
Fort Francis,
Kenora,
Fort Erie.

DEPARTMENT OF HIGHWAYS

Co-operation was given as usual to the Department of Highways in the matter of the preparation of working drawings and specifications for new Highways' buildings, and alteration to existing Highways' buildings. Supervision of the erection of these buildings was also undertaken by this Department and inspections were made of divisional headquarters and other buildings in connection with alteration work as required.

The work carried out in this connection included:

Pembroke:

Completion of double plow building.

Huntsville:

Survey and drawings made for minor alterations to garage building and installation of steam heating.

Sudbury:

Survey of garage and workshop in connection with proposed alterations.

North Bay:

Survey in connection with alterations to existing buildings and proposed new office building.

Hamilton:

Survey in connection with alterations and improvements to lighting system at the Divisional Headquarters buildings.

Toronto District:

Completion of Paint Shop building, Leaside.

Survey for minor alterations to building at Port Credit.

Survey for minor alterations to building at the Rouge River.

ONTARIO GOVERNMENT OFFICE BUILDINGS

Ontario Government Building, Kingston:

Extensive alterations were made to the Department of Health Laboratories in this building. The old lecture hall was subdivided, and additional laboratory and office spaces provided.

The electric lighting system was improved in the Highways Department offices and draughting room and also in the Health Department laboratories and offices.

Ontario Government Building, New Liskeard:

Routine repairs were made in this building.

DRAWINGS AND REPORTS PREPARED AND OTHER WORK RENDERED FOR THE VARIOUS DEPARTMENTS OF THE GOVERNMENT

In addition to the preparation of working drawings and specifications required for the various items of work carried out by this Department and recorded herebefore, the following items of work, of a special nature, and for projects not proceeded with during this fiscal year, are listed as a matter of record:

For Department of Lands and Forests:

Working drawings have been prepared for residences and workshops to be erected, next fiscal year, at various locations in Northern and North Western Ontario for the use of pilots at outpost stations of the Air Service Division.

Working drawings have also been prepared for a residence, ice house and workshop building for early construction at the White Lake Fish Hatchery.

Working drawings are now being made for a Fish Culture Research Laboratory at the Southern Experiment Station, Maple.

In addition to the foregoing working drawings we have also prepared sketch plans for the following work for future development:

Wildlife Building, Algonquin Park

Office Building, Kenora

Office Building, Eastern Forest Station, Kemptville

Block Plan of built up areas of Rondeau Park

For Department of Agriculture:

Working drawings were made and prices called in connection with the renovation of the mechanical refrigeration plant at the Brighton Cold Storage building.

A series of finished graphs and charts were made from layouts supplied by Department of Agriculture to show the flow of traffic and other data required in connection with the proposed new Food Terminal Warehouse, Toronto.

For Department of the Attorney-General:

Working drawings have been prepared for Radio Transmitter buildings to be built at eleven locations in South, South Eastern and South Western Ontario for the proposed new Provincial Police Radio System.

Working drawings were prepared for additions and alterations to the Provincial Police Lock-ups at Pickle Crow Lake and Geraldton.

Sketch plans were also made for a proposed addition to the Lock-up at Burk's Falls to provide living quarters for the constable.

For Department of Health:

Working drawings were prepared for extensive alterations and improvements to the central heating plant at the Ontario Hospital, Woodstock.

Working drawings are being made for a proposed new patients reception unit in the north building at the Ontario Hospital, London.

Sketch plans were made for a proposed extension of the laboratory facilities at Sault Ste. Marie.

For Department of Prime Minister:

Departmental organization charts were revised as required and photostatic copies arranged for.

For Department of Reform Institutions:

Working drawings were prepared for the following work at Reform Institutions:

New Barn, Industrial Farm, Burwash.

Alterations to provide gymnasium at the Mercer Reformatory, Toronto.

Alterations to Administration Building, Ontario Reformatory, Guelph.

Alterations to Central Heating Plant, Ontario Reformatory, Mimico.

Residence for Principal, Boys Training School, Galt.

For Department of the Provincial Treasurer:**PROVINCE OF ONTARIO SAVINGS OFFICES**

Co-operation was given in the usual manner to the Head Office management of the Savings Offices in the matter of general routine maintenance and repair work at the branches where such work was requested and renewals of expiring leases were negotiated and arranged as directed.

BOILER INSPECTION

The boiler inspection work of this Department, as in previous years, was carried out by the Heating Engineer, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings, assisted by the Inspector of Mechanical Services.

Excluding the plants which have been loaned to the Department of National Defence for their own operations and responsibility in connection with the Institutions loaned for purposes of World War II, the inspection work covered this year under the above heading may be described as follows:

The boilers and boiler equipment and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and materials needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and the Ontario Reformatories, the reports, as referred to, were sent to the Department of Health and Provincial Secretary, respectively, for their attention in the matter of making repairs recommended.

The recommendations contained in these reports regarding plants in all the other building groups, referred to in this section, were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,
Chief Architect.

Toronto, March 31st, 1947.

REPORT OF THE ENGINEER

Honourable G. H. Doucett, M.P.P.,
Minister of Public Works.

January 29, 1948

Sir,—

I have the honour to report on the work done by the Engineer's Branch of the Department of Public Works, Ontario, during the fiscal year April 1, 1946, to March 31, 1947.

As usual, all work was done by day labour under local foremen, employing local men wherever possible.

The usual maintenance of locks, dams, docks and navigable channels was carried out. The South Dollars Dam, which was partly built in 1945, was completed, and a new stone and concrete dam was built on the Naiscoot River in Parry Sound District. Drainage work was done in eleven districts, and aid was given to nine drainage schemes under the Provincial Aid to Drainage Act.

Maintenance work was as follows:

All buoys taken out by the spring floods and ice were replaced to make the navigation channels safe for travel.

Pickernel River Dam, Parry Sound District

A large hole had been washed out in the rock just below this dam and any further washing would have endangered one of the piers of the dam. This hole was filled with stone and concrete to prevent further erosion.

The earth dam on the ravine to the west of the main dam was strengthened by adding more fill on the upstream side.

Magnetawan Dams, Parry Sound District

New plank decks were put on the dams at the locks and the dam on the south channel. A number of new stop logs were provided and all the piers of the dams were repaired as they had been damaged by the erosion of water and ice.

Walker Lake Dam, Muskoka District

This timber dam had become badly decayed and was leaking so much that the lake could not be held at its proper level. The decayed timber was replaced, new sheeting put on the face, and gravel put on the sheeting to prevent leakage.

Deer Lake Dam, Parry Sound District

This old timber dam was badly damaged by the spring floods and was leaking so much that the lake was very low most of the summer. Attempts to stop the leaks by sheeting and filling with brush, gravel and other material proved almost useless and it was decided that a new dam would have to be built before another season.

Port Sandfield Docks, Muskoka District

Most of the top of these docks was renewed with new planking and made safe for traffic.

Minor repairs were made to several other docks, dams and locks.

Naiscoot River Dam, Parry Sound District

This dam holds the water level up on Naiscoot Lake and Wilson Lake and makes possible a navigation route of about 10 miles for tourists. There was an old lumberman's timber dam at this site but it was badly decayed and could not hold the lakes at the proper level.

A new stone and concrete dam was built on the site of the old dam. The main dam is 40 feet long and 15 feet high at the centre. It has a sluiceway 8 feet wide and 8 feet deep and is provided with stop logs and winches to control the flow of water. There are two short wing dams on the east side and one on the west side of the main dam. A timber deck was provided to enable the operator to handle the stop logs.

Dollars Dam, Parry Sound District

There are two dams on the Pickerel River at the outlet of Kawigamog Lake. Concrete dams have replaced both of the old timber dams. The north dam was built in 1943 and 1944. The south one was partly built in 1945 and completed in 1946. These dams are now in good condition and should require very little maintenance for many years to come.

Municipal Drainage

Drainage work was carried out in the following districts: Sudbury, Nipissing, Algoma, South Renfrew, North Renfrew, Parry Sound, Frontenac, Victoria and Haliburton, Centre Simcoe, East Simcoe, and Peterborough.

Provincial Aid to Drainage

Ackert Drain, Kinloss Township

This drain was repaired in accordance with the report, plans and specifications prepared by Mr. W. G. McGeorge, Civil Engineer, of Chatham, Ontario. These repairs consisted of deepening, widening and straightening the drain from the north limit of lot 7, Concession 11, to lot 12, Concession 5 in Kinloss Township, a total distance of $5\frac{3}{4}$ miles. It was widened to a bottom width of 3 feet at the upper end and gradually widened to 18 feet at the lower end. The depth of cut averaged about $2\frac{1}{2}$ feet except for a new section of ditch where it was moved off the road allowance between lots 10 and 11 for a distance of 2,000 feet. Here the depth of cut averaged a little over 5 feet. The side slopes were 1 to 1.

paid the Township of Kinloss according to the Act.

The total cost of the work was \$11,075.50, and on report a grant of \$2,215.10 was

Tayside Drain, Roxborough Township

This drain was improved in accordance with the report, plans and specifications prepared by the late Mr. F. Stidwell, Civil Engineer, of Cornwall, Ontario. The work consisted of deepening and widening the drain from the centre of lot 9, Concession 9, Roxburgh Township, to lot 14, Concession 1, South Plantagenet Township, a total distance of nearly $5\frac{1}{2}$ miles. The depth of cut averaged about 2 feet and there were two rock bars which had to be blasted out. The bottom width was made 3 feet at the upper end, gradually widening to 5 feet at the lower end, and the side slopes were 1 to 1. Another trunk channel started at the middle of lot 11, Concession 9, and joined the main drain on lot 13, Concession 9, Roxborough Township. It has a total length of 4,875 feet, and a bottom width of 2 feet at the upper end and 3 feet at the lower end. The depth of cut averaged about 2 feet, with side slopes of 1 to 1.

The total cost of these trunk channels was \$10,937.65, and on report a grant of \$2,187.53 was paid the Township of Roxborough in accordance with the Act.

McLeod Drain, Caledonia and Kenyon Townships

This drain was repaired in accordance with the report, specifications and plans prepared by Mr. H. J. Walker, Civil Engineer, of Cornwall, Ontario. Work on the main channel started at the easterly limit of lot 17, Concession 9, Kenyon Township, and continued downstream to lot 24, Concession 8, Caledonia Township, a total distance of $5\frac{3}{4}$ miles. It has a bottom width of 2 feet at the upper end and 6 feet at the lower end. The depth of cut varied from 4 to 8 feet, and there was considerable solid rock to blast out. Work on another trunk channel known as the West Branch started on lot 20, Concession 9, Kenyon Township, and continued north-easterly to lot 9, Concession 9, Caledonia Township, where it empties into the main channel. It has a total length of $1\frac{1}{4}$ miles. The bottom width of this channel is $2\frac{1}{2}$ feet throughout and the depth of cut about 3 feet. There was some rock to blast out on this channel. The side slopes on both channels were $1\frac{1}{4}$ horizontal to 1 vertical.

The cost of both channels was \$25,171.71. On report a grant of \$5,034.34 was paid the Township of Caledonia, the initiating municipality, in accordance with the Act.

Pollard Drain, Hullett Township

This drain was repaired according to the report, specifications and plans prepared by Mr. F. A. Edgar, Civil Engineer, of Gorrie, Ontario. Work started on the main channel at the line between Concessions 13 and 14 on lot 17 and continued downstream to lot 25, Concession 10, Hullett Township, where it empties into the Maitland River, a total distance of a little over $5\frac{1}{2}$ miles. It has a bottom width of 3 feet at the upper end and 6 feet at the lower end. The depth of cut averaged about 3 feet. Another channel starts on lot 20, Concession 11, and continues to lot 24, Concession 11, where it joins the main channel, a total distance of $1\frac{3}{4}$ miles. It is 3 feet wide at the upper end and $3\frac{1}{2}$ feet at the lower end. The depth of cut averaged about 3 feet. The side slopes were 1 to 1 for both channels.

The total cost of the work on both channels was \$12,221.73. On report a grant of \$2,444.35 was paid the Township of Hullett in accordance with the Act.

No. 1 Government Drain, Tilbury East Township

This drain was repaired in accordance with the report, specifications and plans prepared by Mr. C. G. R. Armstrong, Civil Engineer, of Windsor, Ontario. The repairs consisted of deepening and widening the old drain from the boundary road between Tilbury East and Romney Townships at the line between lots 9 and 10, Tilbury East, northerly across Tilbury East Township to its outlet into Jeannette's Creek at the boundary line between Tilbury East and Raleigh Townships, a total distance of $11\frac{1}{2}$ miles. It has a bottom width of 5 feet at the upper end and gradually widens to 30 feet at the lower end. The depth of cut averaged about 2 feet and the side slopes are $1\frac{1}{4}$ horizontal to 1 vertical.

The total cost of the work was \$26,051.80, and on report a grant of \$5,210.36 was paid to the Township of Tilbury East in accordance with the Act.

Tunnel Drain, Romney Township

This drain was repaired in accordance with the report, specifications and plans prepared by Mr. C. G. R. Armstrong, Civil Engineer, of Windsor. This drain has proven to be an expensive one to maintain as it is quite deep towards the lower end, being 35 feet deep where it enters the tunnel, which is an underground channel 1,000 feet long and carries the water to Lake Erie. The banks of the drain keep sliding in and filling it up so that it cannot drain the land. Work on the drain was started

at the line between lots 24 and 25 on the road between Concessions 2 and 3, Romney Township, and continued westerly, then southerly, to the tunnel, a total distance of 2 miles. In order to prevent the banks sliding in they were given a slope of $1\frac{1}{2}$ horizontal to 1 vertical. This made considerable extra excavating and added greatly to the cost, especially in the deeper section of the drain. The bottom width was made 5 feet throughout and the depth of cut varied from 1 to 4 feet.

The cost of this work as reported by the Treasurer of the Township was \$15,705.85, and on report a grant of \$3,141.17 was paid to the Township of Romney according to the Act.

Cole Drain, Niagara Township

This drain was repaired according to the report, specifications and plans prepared by Mr. R. B. Erwin, Civil Engineer, of Niagara Falls, Ontario.

The work consisted of deepening and widening the old drain from lot 144 northerly and easterly to lot 108 where it empties into Four Mile Creek, a total distance of about 4 miles. It was widened to a bottom width of 4 feet at the upper end and gradually widening to 8 feet at the lower end. The depth of cut averaged about 4 feet and the side slopes are $1\frac{1}{4}$ horizontal to 1 vertical.

The cost of the work as certified to by the Treasurer of the Township was \$14,923.45. On report a grant of \$2,984.69 was paid to the Township of Niagara in accordance with the Act.

Spring Creek Drain, Wallace Township

This drain was repaired according to the report, specifications and plans prepared by Mr. R. W. Code, Civil Engineer, of London, Ontario. Work on this drain started at the town line between Wallace and Elma Townships on lot 34, Concession 1, Wallace, and continued northwesterly to lot 38, then southwesterly to lot 42, Concession 1, Wallace Township, then south into Elma Township, then westerly across lots 10 to 1, Concession 1, Elma Township, and then westerly across lot 70; Concession 1, Grey Township, a total distance of a little over $4\frac{1}{4}$ miles. The drain has a bottom width of 3 feet at the upper end and 7 feet at the lower end. The average depth of cut was about 2 feet, and side slopes are 1 to 1.

The final cost of this work as reported by the Treasurer of Wallace Township was \$11,498.56, and on a report a grant of \$2,299.71 was paid to the Township of Wallace according to the Act.

McDougall Drain, Tilbury East Township

This drain was repaired according to the report, specifications and plans prepared by Mr. C. G. R. Armstrong, Civil Engineer, of Windsor. Work started on the old drain at the South Rear Road on the line between lots 12 and 13, and extended northerly and easterly to a point where the road between Concessions 5 and 6 meets the boundary road between Tilbury East and Raleigh Townships, where it empties into No. 1 Government Drain. The total length of drain improved was $6\frac{1}{2}$ miles. It was widened to a bottom width of 3 feet at the upper end and gradually widened to 15 feet at the lower end. The side slopes are $1\frac{1}{4}$ horizontal to 1 vertical.

The cost of this work as reported by the Treasurer of Tilbury East Township was \$10,853.20, and on report a grant of \$2,170.64 was paid to the Township of Tilbury East in accordance with the Act.

I have the honour to be, Sir,

Your obedient servant,

J. W. HACKNER,

Engineer of Public Works.

STATEMENTS
OF THE
ACCOUNTANT
OF
Public Works Department
1946 - 1947

Department of Public Works, Ontario,

TORONTO, March 31st, 1947.

The Honourable George H. Doucett, M.P.P.,
Minister of Public Works.

Sir:—

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Public Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1947.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,

Secretary and Accountant

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1st, 1946 to MARCH 31st, 1947

Service	Ordinary	Capital	Total
Main Office—Administration expenses, etc.....\$	154,254.68		154,254.68
Maintenance and Repairs—Government Bldgs.	973,583.16		973,583.16
Public Works—Maintenance	13,767.06		13,767.06
Public Buildings		1,384,991.39	1,384,991.39
Public Works		14,557.12	14,557.12
Miscellaneous		19,538.68	19,538.68
Statutory — Drainage Aid	27,687.89		27,687.89
TOTAL NET EXPENDITURE	\$ 1,169,292.79	1,419,087.19	2,588,379.98

STATEMENT OF REVENUE

Commissions on telegraphs and telephones.....\$	4,581.96		4,581.96
Sale of materials	4,096.64		4,096.64
Rentals	31,697.05		31,697.05
Perquisites	1,866.00		1,866.00
Building equipment	249.50		249.50
Miscellaneous	440.55		440.55
Compensation from Dominion Government re. leasing of Provincial buildings for war purposes	5,725.00		5,725.00
Sale of property		63,740.00	63,740.00
Contract security deposits		38,033.40	38,033.40
\$	48,656.70	101,773.40	150,430.10

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st, 1947

ORDINARY

MAIN OFFICE:

Service	Amount	Amount
Salaries	\$ 114,062.07	
Travelling expenses	4,602.41	
Maintenance	8,399.21	
Insurance and lightning rods	21,105.00	
Local Improvement taxes	176.84	
Gratuities	5.00	
Compensation—medical, hospital and other accounts for workmen injured in Government work	3,171.08	
Cost-of-living bonus—entire Department	320.09	
Unemployment insurance stamps	2,412.98	154,254.68

GENERAL SUPERINTENDENCE:

Salaries	\$ 26,572.12	
Services, travelling and other expenses	7,321.92	33,894.04

LIEUTENANT-GOVERNOR'S APARTMENT:

Salaries	3,955.98	
Maintenance	999.74	4,955.72

LEGISLATIVE and DEPARTMENTAL BUILDINGS:

Administrative Services:

Salaries		36,513.11	
Telephone service		55,108.00	
Typewriter inspection and repairs—all Departments.....		6,842.92	
Maintenance Staff—			
Salaries—Permanent	\$ 64,448.30		
Temporary	175,339.90		
Casual	45,036.32	284,824.52	

Maintenance—

Fuel, light, gas, water and power	95,383.64		
Furniture, furnishings and equipment	3,069.41		
Cleaning supplies, upkeep of grounds	28,433.53	126,886.58	

Mechanical Staff—

Salaries	86,967.94		
Repairs to buildings—Repairs and alterations	55,717.50	142,685.44	

		652,860.57	
Deduct Rentals		3,000.00	649,860.57

OSGOODE HALL:

Salaries—Permanent	\$ 17,632.89		
Temporary	15,926.05		
Casual	4,593.63	38,152.57	

Maintenance —

Fuel, light, water and power	6,051.62		
Furniture, furnishings and equipment	239.31		
Telephone service	2,875.88		
Cleaning of buildings and incidentals	1,268.62		
General repairs and alterations	11,175.13	21,610.56	59,763.13

GOVERNMENT BUILDINGS:

Repairs, alterations and incidentals			
Educational Buildings		25,023.57	
To provide for expenses in connection with leasing of Normal School, Ottawa to Dominion Government. (Recurring charges recoverable from Dom. Government, in accordance with Agreement)		526.65	
Agricultural Buildings		30,979.85	
Training Schools		3,971.49	
District Buildings		28,003.06	
Salary of Caretaker—Temiskaming		1,174.92	
Government Building, Matheson—Maintenance		11.96	
Ontario Hospitals		65,461.62	155,153.12

PUBLIC WORKS:

Maintenance—

Salaries: Lockmasters, Supervising Foremen, etc.	\$ 5,273.35		
Repairs to locks, dams, etc.	7,291.92		
Equipment	120.07		
Maintenance of Hawkesbury-Grenville Bridge	1,081.72	13,767.06	

ONTARIO GOVERNMENT OFFICE BUILDINGS:

KINGSTON:

Maintenance:

Salaries of Caretakers	1,460.64	
Cleaning supplies, fuel, electricity, water, repairs and incidentals	4,369.40	5,830.04
		<hr/>

GENERAL:

Rental and caretaking of leased premises and expenses in connection therewith	14,176.60	14,176.60
	<hr/>	

MISCELLANEOUS:

To provide for the costs of moving patients, inmates and staffs of Provincial Institutions leased to the Dominion Government for war purposes, including repairs and alterations to buildings and all expenses in connection with providing quarters during the terms of the agreements and for restoring buildings under terminating agreements (lump sum payments received from Dominion, as per agreement, deposited as revenue)	49,949.94	49,949.94
	<hr/>	

STATUTORY — DRAINAGE AID:

Townships of—

Hullett	2,444.35	
Caledonia	5,034.34	
Kinloss	2,215.10	
Romney	3,141.17	
Wallace	2,299.71	
Roxborough	2,187.53	
Tilbury East	7,381.00	
Niagara	2,984.69	27,687.89
	<hr/>	

TOTAL ORDINARY EXPENDITURE		<hr/> \$ 1,169,292.79
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CAPITAL

Service	Amount	Amount
PUBLIC BUILDINGS:		
To provide for the construction of new buildings and works, purchase of lands and other expenses, including additions, alterations, equipment and extension of services to existing buildings and works	\$ 1,384,991.39	1,384,991.39
PUBLIC WORKS:		
Municipal Drainage, including Grants in aid thereof....	7,440.87	
Storage Dams and Docks	7,116.25	14,557.12
MISCELLANEOUS:		
Grant towards the cost of a flood control and drainage scheme known as the Nolins' and Junction Creek Drainage Works in the City of Sudbury	15,000.00	
Grant of 37½ % of the cost of surveys and preparation of plans for further development of works of the Grand River Conservation Commission	2,812.50	
Grant to the Township of Harwich in the County of Kent towards the cost of the construction of Shrewsbury Dock	1,726.18	19,538.68
TOTAL CAPITAL EXPENDITURE		<u>\$ 1,419,087.19</u>

SUMMARY

ORDINARY EXPENDITURE:

Main Office and Maintenance and Repairs of Government Buildings	\$ 1,169,292.79
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CAPITAL EXPENDITURE:

Public Buildings and Public Works	1,419,087.19
	<u>\$ 2,588,379.98</u>

TORONTO, March 31st, 1947.

REPORT

OF THE

Minister of Public Works

FOR THE

Province of Ontario

FOR THE

Twelve Months Ending March 31st, 1949

1948/49

Printed by Order of

THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO

Printed and Published by Baptist Johnson, Printer to the King's Most Excellent Majesty, 1950

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REPORT

OF THE

Minister of Public Works

FOR THE

Province of Ontario

FOR THE

Twelve Months Ending March 31st, 1949

Printed by Order of
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL PAPER No. 19 — 1950



ONTARIO

TORONTO

Printed and Published by Baptist Johnson, Printer to the King's Most Excellent Majesty, 1950

TO:

The Honourable Ray Lawson, O.B.E., LL.D.,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the reports of the Deputy Minister, Chief Architect, Engineer, Secretary and Accountant for the twelve months ending the 31st of March, 1949.

Respectfully submitted,

GEO. H. DOUCETT,
Minister of Public Works.

Department of Public Works, Ontario.
Toronto, March 15, 1950.

REPORT

OF THE

Deputy Minister of Public Works

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying report of the Chief Architect, Engineer, Secretary and Accountant for the financial year April 1, 1948 to March 31, 1949.

CHIEF ARCHITECT'S REPORT

The volume of construction work carried out during this fiscal year has considerably increased over the previous year. A number of work projects started in 1946-1947 and 1947-1948 have been brought to completion and the buildings turned over to the departments concerned.

Work items have been undertaken for the following departments:

Agriculture

Attorney General

Education

Health

Lands and Forests

Reform Institutions

Travel and Publicity

In addition to projects undertaken for the above noted departments, the public buildings directly under the control of this department have been serviced and where necessary alterations, fireproofing and other work carried out.

Renewal leases have been prepared for the Province of Ontario Savings Offices and alterations to these offices arranged where necessary.

Technical assistance has been given to departments of the Government in connection with special requirements under existing legislation and regulations for the use of public buildings.

ENGINEER'S REPORT

Improvements to water storage facilities in the Muskoka area have been studied and a start has been made on the reconstruction of a number of dams on the Big East Muskoka River. Municipal drainage work was carried out in the Northern Districts and grants were paid to municipalities under the Provincial Aid to Drainage Act.

SECRETARY AND ACCOUNTANT'S REPORT

The revenues compare favourably with previous years, but the following comparison of overall expenditures for Ordinary and Capital reflect the increased activity in the amount of construction work accomplished this fiscal year as compared with the fiscal year 1947-48:

EXPENDITURES

<i>Fiscal Year</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
1948 - 49	\$2,320,586.50	\$5,523,128.53	\$7,843,715.03
1947 - 48	1,659,024.17	3,794,096.33	5,453,120.50
Increase	661,562.33	1,729,032.20	2,390,594.53
Percent Increase	39.876%	45.571%	43.839%

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,
Deputy Minister of Public Works and Chief Architect

TORONTO, March 15, 1950.

REPORT OF THE CHIEF ARCHITECT

To:

The Honourable George H. Doucett, M.P.P.,
Minister of Public Works.

Sir:

I have the honour to report on the work done by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1948, to March 31st, 1949, as follows:

RE ONTARIO GOVERNMENT INSTITUTIONS LOANED TO THE
DEPARTMENT OF NATIONAL DEFENCE, CANADA, FOR THE
PURPOSES OF WORLD WAR NO. 2

A portion of the lands of the Ontario Hospital, London, is still on loan to and occupied by the Department of National Defence, Canada. Other than these lands, all the lands and premises of this Province which were previously loaned to the Department of National Defence have been returned to the Province.

Re General Conditions

I would like to mention that the construction work carried on by this Department during this fiscal year was still adversely affected by the shortages of skilled labour and certain essential construction materials and many lines of equipment.

Difficulties were also experienced when trying to get fixed price tenders on certain classes of work in some districts.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Generally

In this group of buildings general routine repairs, replacements and changes were carried out in the various building trade branches such as: carpentry, masonry, plastering, painting, plumbing, heating, electric work, roofing and tinsmithing, furniture repair, upholstering and linoleum laying as well as repairs to blinds and other equipment.

The mechanical service systems throughout these buildings were kept in repair and general improvements were made as required in connection with plumbing, heating, ventilation, refrigeration and electrical systems, and the elevators were regularly inspected and repaired. The work of improving the lighting systems throughout these buildings was continued.

Parliament Buildings

Considerable progress was made in connection with a large program of work which started last year. This included the erecting of a new fire exit stair tower in the Northeast Wing and extensive roof repairs.

Alterations required for the new fire stair included changes to the Gardener's office, workrooms and lavatory, the ladies' lavatory on the first floor, men's lavatory on the second floor, and the disconnection of the domestic water supply from the fire mains at the East end of the building.

Roof repairs were carried on under contract and following completion of the East Section and the North Wing, it was planned to proceed with work on the Centre and West Sections. Work on the North Wing part included the removal of the skylight over the corridor leading to the North Wing, which had given trouble for some time.

Show cases and counters forming booths for the Travel and Publicity and King's Printer Departments were installed in the Main Entrance Hall, convenient to the travelling public. The large silver ore specimens were moved to a new location.

Room Number 211 was divided to make two rooms with a permanent partition and a new entrance cut to the hall.

The Lieutenant Governor's Apartment was re-decorated by contract.

Considerable progress was made in the repair and repointing of the stonework, and many repairs were made to the plaster work.

A vault was installed in the old film vault for the Treasury Department.

Shelving was made and erected and special cupboards built. General repairs were made to the Greenhouse. Lawn hydrants were replaced and repaired. New linoleum was laid in the Press Gallery, Rooms 474, 475, 476, 156, 328N, 210N, and Public Booths.

A good standard was maintained in connection with upkeep of the lawns and horticultural work around the grounds.

East Block

As in the main building general repairs in all trades were carried out.

Alterations were made to the offices of the Welfare Department to make larger rooms and conserve space.

Wood and glass partitions were erected to divide offices and shelving was erected in several rooms.

The cafeteria was painted throughout by contract, and new sinks installed in the kitchen. A new mastic floor was installed behind the counter and the counter was repaired.

The Austral windows were checked over and greased and repaired as required.

Considerable work was done for the Department of Health Laboratories in the making of special equipment. Special benches were covered with lead, new sinks were installed and other work done. The wood floor of laboratory rooms Nos. 5525, 5527, 5528 were covered with linoleum.

SUBSIDIARY BUILDINGS

General maintenance work and repairs in the various trades were carried on in the following buildings,—

At Numbers 11, 13 and 15 Queen's Park,

At Number 807 Richmond Street West (Sewage Laboratory),

At Department of Health Serology Laboratory Annex, Mimico,

At Department of Health, Office Annex, 1011 Queen Street West,

At Department of Health, Virus Laboratory, Ontario Hospital, 999 Queen Street West.

SUBSIDIARY BUILDINGS (Special)

The following buildings come under the heading of Subsidiary Buildings but are noted separately owing to the fact that they are considered to be special items and the work done in their connection was more extensive than ordinary maintenance and repair: —

1075 Millwood Road

New quarters for the Ontario Board of Film Censors have been provided in this building. The work of erecting a fire-proof addition and making the necessary alterations to the building has been completed.

291 and 295 Sherbourne Street

The remodelling of these buildings for the Department of Planning and Development was completed and they were opened as a reception centre for new immigrants in September, 1948.

The opening of this new reception centre for both male and female immigrants permitted the subsequent closing of temporary quarters for women at 300 Mutual Street, and the closing of temporary quarters for men on Isabella Street.

1118 Bay Street

Partitions were constructed for the Department of Lands and Forests on the upper floor of this building, which was leased and fitted the previous year to provide office space for the Department of Planning and Development and the Department of Lands and Forests.

Old Grace Hospital Property, Corner of Huron and College Streets

Last year these buildings were renovated and fitted for the Department of Education and the Fire Marshal. Some further work was done this year including shelving, laying of linoleum and exterior painting.

Provincial Police Garage, 178 Queens Quay

The east and west sides of this building were graded and sodded. Stone was provided in the low spots of the back yard. Repairs and alterations to the mechanics' offices were made, also a minimum of sundry repairs were made as required.

1200 Sheppard Avenue

Alteration and improvement work was continued this year to improve the general working facilities for the occupying Departments, principally the Department of Highways. Work included the erecting of partitions, shelves, bins, etc., installation of fluorescent lighting, plumbing improvements and the erection of a storage shed to house re-inforcing steel.

Osgoode Hall

The stone balustrade over the centre section was repaired and many of the carved finials and ornaments were renewed. The stonework was re-pointed and a new roof was laid over the main library.

The new gateway and parking lot for the Judges' cars was completed.

Considerable repairs were made to the plaster work and other repairs were made in all trades to keep the building in good condition. Bookcases, cupboards and shelving were constructed as required.

The yard to the east of the north wing was paved with a hot mastic top.

112 College Street (Psychiatric Clinic)

Partitions were built to make an Out Patients' Department. The old hot water piping was replaced where necessary and general repairs were made.

454 University Avenue

Work was started on the alterations required to remove the old easterly steps and to make a new entrance to the building to accommodate the widening of University Avenue. General repairs were also made where required.

880 Bay Street

Offices in this building were leased and fitted up to provide accommodation for the Department of Planning and Development.

1207 Bay Street

Alterations were put in hand to provide accommodation for the Women's Institute Branch of the Department of Agriculture.

PREPARING AND INSTALLING ONTARIO GOVERNMENT EXHIBITS

Canadian National Exhibition, Toronto

This Department organized and carried out the design, installation and maintenance of Mechanical Services, Stagework, Backdrops, Props, General and Feature illumination, Signwork, Color-schematics and Furnishings, etc. for the above.

This Department worked in co-operation with the exhibiting Departments in the matter of setting up their various exhibits.

The following Departments exhibited:

Department of Agriculture.

Department of Highways.

Department of Labour.

Department of Health.

Department of Lands and Forests.

Department of Travel and Publicity.

Department of Planning and Development.

Department of Education.

Department of Mines.

Department of Reform Institutions.

Department of The Provincial Secretary, and (Ontario Northland Railway).

Department of The Attorney General.

The Motion Picture and Theatre Inspection Branch of the Provincial Treasurer's Department operated the Theatre with the projection of 16 mm. sound and colour films of the various Departments' activities on a regular full daily schedule. This Theatre was well attended and efficiently operated.

The following organizations were also provided with space for their exhibits:

The Hydro Electric Power Commission of Ontario.

The Royal Conservatory of Music of Toronto.

The Ontario Division of Canadian Red Cross Society.

The Ontario Tuberculosis Association.

The Ontario Branch of the Canadian Cancer Society.

Central Canadian Exhibition, Ottawa

In the space under Grandstand allotted to the Province by the Central Canada Exhibition Officials, this Department organized and carried out the design, installation and maintenance of mechanical services, stagework, backdrops, props, general and feature illumination, sign work, color-schematics, painting and furnishings, etc., for the following Departments of the Province and the Hydro Electric Power Commission of Ontario, as follows:

Department of Lands and Forests.

Department of Highways.

Department of Reform Institutions.

Department of Agriculture.

Department of Mines, and

The Hydro Electric Power Commission of Ontario.

Co-operation was experienced between the exhibiting Departments and with the officials of the Central Canada Exhibition, and a favourable showing was achieved.

EDUCATIONAL BUILDINGS

Canadian Vocational School, 50 Gould St., Toronto

Repairs to these buildings were done by the School as part of the vocational training program.

Toronto Normal School, 50 Pape Avenue

Some important repair jobs were carried out during the year, including re-tubing of the boiler, re-laying the concrete walks, also cleaning, repairing, re-finishing and re-decorating of the school.

Normal and Model School, Ottawa

Miscellaneous minor repairs were made.

A contract was let for the interior and exterior painting of the school, also glazing, and the work was completed.

Considerable electric work was carried out including the installation of fluorescent lighting, overhauling the wiring for the stokers, and a new power supply for domestic science equipment.

Normal School, London

Miscellaneous repairs were made to the floors, lighting, toilets and drains and a feed pump was installed.

The work of providing a new display room in the basement and the renovation of the present manual training room was continued.

New manholes were constructed on the outside drains to provide proper facilities for clearing storm drains.

Normal School, Hamilton

Minor maintenance and repair work was done as required.

Normal School, North Bay

Miscellaneous repairs were made to the heating system including repairs to boilers, replacing of defective valves, and repairs to the steam return piping. Four new unit heaters with valves, etc. were purchased for installation.

Normal School, Peterborough

A new air compressor and controls were installed in connection with the temperature regulating system. Air vents were provided and minor repairs were made to the plumbing system.

Normal School, Stratford

Traps were purchased and installed on the vents, coils, and steam pipe drips. Changes were made to improve the drainage of the steam return mains and repairs and replacements were made to many of the branch returns.

Ontario School for the Deaf, Belleville

Extensive repairs were made to the plaster work in all buildings where required.

General repairs were made to the drains and concrete sidewalks.

Renovation work was carried on in connection with a large portion of the floor of the Drill Hall.

A contract was let for the exterior painting of the Main Building, Boys' Dormitory, Girls' Dormitory, Juvenile Dormitory, Printing Shop, Staff Residence and Hospital. This work was completed.

A contract was let for the complete re-roofing of the Main Building. In addition to this work, all skylights were replaced.

Extensive repairs were made to the main building and the eight subsidiary buildings. Much re-decorating work was done in the various buildings where required, and extensive minor repairs were made throughout all buildings. In the Boiler House, new doors and new concrete sills were installed.

Ontario School for the Blind, Brantford

A fire prevention program, started in the previous year was substantially completed. This work included the installation of fire doors, smoke screens, fire exits, and a fire detection and alarm system.

In the Main Auditorium building a new stage floor was laid and a costume cupboard built.

The iron weather vane was removed from the tower and defective slate on the tower roof was replaced.

The old unused Piggery, was demolished and the materials salvaged for re-use.

The following maintenance and repair work was carried out:

Barn and Stables

New floor was laid in the horse stable; new joists and concrete floor was laid in the barn; brick work was repaired and repointed.

Coach House

One-third of the flooring was renewed.

Driving Shed

Parts of foundation were re-bricked.

Garage

Concrete piers and beams were installed and door jambs re-built.

Main Building and Dormitories

Repairs were made to all brick work as required; repairs and replacements were made to eavestroughs and downpipes; five gables and stone caps were re-built.

School Building

The exterior painting of this building was carried out.

General Repairs

Steam and return mains to the Boys' and Girls' Dormitories were partially replaced in underground ducts which were also repaired and arrangements were made to finish this work in the coming fiscal year.

General repairs were made to Main Building; coal bunkers were re-built and roofs repaired and miscellaneous repairs were made to plastering.

Exterior painting of residence of the Superintendent, the Caretaker and the Bursar was carried out.

Provincial Institute of Textiles, Hamilton

Renovations were started in the previous year to adapt this building for use as a training school for senior personnel in the Textile Industry, and the work was completed this fiscal year.

Miscellaneous repairs were made to the roof of the building and to the electrical work.

Provincial Institute of Mining, Haileybury

Repairs were made to the eavestroughing.

AGRICULTURAL BUILDINGS

Ontario Agricultural College, Guelph

The large program of expansion of the buildings and services started immediately following the end of World War II has been continued from year to year and is still in progress.

Work commenced during the previous year and now completed, substantially completed or at present underway, include the following:

Chemistry Building—Installation of the finishing hardware in the new addition of the Chemistry Building was completed, and the new addition was turned over to the Ontario Agricultural College. The new addition provides two large laboratories, two small laboratories, two classrooms, dispensary and toilet room.

Biology Building—In the Biology Building some alteration work was done to the new addition. On the main floor a large office was partitioned to make two offices and on the second floor a hallway was built. The new addition provides four laboratories, one classroom, six offices and two washrooms.

Animals' Nutrition Department—Alterations to the old Economics Building to provide new quarters for the Animals' Nutrition Department were completed.

Public Relations Department and Workshops—The work of altering the old Cold Storage Building was continued to completion. Provision was made for the following:

Basement

Paint Shop

Plumbers' and Steamfitters' Work Shop

Pipe Room

Store Room

Main Floor

- Two offices for Public Relations
- Carpenter Shop
- Art Shop
- Store Room

Power House—An extension was made to this building to accommodate new equipment.

Agricultural Engineering Building—Work on the new addition to the Agricultural Engineering Building was continued and substantially completed. The addition is 61' x 85' and provides the following facilities:

Basement

- Gas Engine Classroom, Carpentry Work Shop

Main Floor

- Storage and demonstration of farm machinery, Classroom, two Offices.

The alterations in the Agricultural Engineering Building, which were undertaken in the previous year, were continued to completion. These include the conversion of the old carpenter shop to a lecture room and the partitioning of the large classroom on the second floor to provide two smaller classrooms.

Creelman Hall—Alteration work to the basement of Creelman Hall, to provide rest rooms and lavatories for the male and female service help, was nearly completed.

Poultry Department—Three hen houses were built for the Poultry Department. The houses are 30' x 40', of frame construction, with concrete floors. Each one will house 300 hens.

A start was made at remodelling the cold storage rooms in the main Poultry Building. Old partitions were torn out, to be replaced with tile partitions. The cement floor in the old killing room was broken up and renewed.

Erection of an experimental laying house for the Poultry Department was practically completed.

Building of a two-storey brooder house for the Poultry Department was about 70% complete. It will be used for the breeding and raising of young chicks.

Construction of a new service building for the fattening and killing of poultry was about 50% completed. This building will provide space as follows:

Main Floor

- Fattening room, killing room, office and men's toilet.

Second Floor

- Two offices and two large storage rooms.

Horticultural Research Building—New mechanical refrigeration equipment was installed in the Horticultural Research Building.

New Well—A new well was drilled adjacent to the Dairy Building to improve the water supply, and a new deep well pumping unit was installed.

Memorial Hall—The exterior walls below grade were damp-proofed and water drainage was provided for the Memorial Hall Building to prevent dampness and water penetration.

Mills Hall—Installation of a new centrifugal water pumping unit in Mills Hall for fire emergency connection to the City of Guelph Water System was well advanced.

In addition to the program of new work undertaken, the following repair and renovation work was also carried on:

Exterior painting of Macdonald Hall, Macdonald Institute, Agricultural Engineering Building and Creelman Hall; also approximately thirty miscellaneous buildings, including range shelters, colony houses, barns, etc., which had not been painted for many years.

Interior painting of the Dairy Barn, and Administration Building, second and third floors complete.

Floor sanding and varnishing in:

Main Poultry Building,

Field Husbandry Building, large classroom,

Physics Building,

Biology Building, museum room and two upstairs rooms.

Eight Greenhouses—All glass was removed and rebbed; broken glass was replaced; all woodwork was given three coats of paint. This work was started the previous year.

Cedar grain shingles were applied to the South House and the exterior of the house was painted. The exterior of Dr. McConkey's house was painted. Wire glass skylights were installed in the Dining Hall; a water softener was installed in the Power Plant; copper flashings were renewed and there were extensive roof repairs to Administration Building, Memorial Hall and Dining Hall, Power House and Macdonald Institute.

Numerous other repairs of a minor nature were also carried out.

Ontario Veterinary College, Guelph

Construction of a large permanent addition to the main College Building was substantially completed. Work remaining to be done consisted of the completing of the elevator installation and a number of "finishing up" jobs by the general contractor.

Details of rooms provided in the new wings are as follows:

Main Wing Addition

Ground Floor

Large operating theatres—one for horses, one for cattle, each equipped with hydraulic operating tables.

Preparation room adjoining large operating theatres.

Large anatomy laboratory equipped with dissecting tables providing teaching facilities for one hundred students; preparation room, cold storage refrigeration and specimen museum, together with necessary offices for instructors.

Three-room suite for X-Ray work on all types of animals.

Second Floor

Large Classroom, capacity 100 students.

Physiological Department.

Provision for Departmental offices.

Large Laboratory with bench facilities for 120 students.

Special preparation room for staff use.

Office accommodation for lecturers.

Four offices for Departmental heads.

Third Floor

Large Classroom—capacity 130.

Pathology Department—including large laboratory for 120 students, special preparation room and offices for lecturers.

Four separate offices for staff members.

Sub Wing Addition

Main Floor and Second Floor

Hospital and surgery for small animals.

Third Floor:

Bacteriology and housing for small laboratory animals.

In conjunction with building of the new addition, major changes were made in the old building as follows:

Ground Floor.

The old operating theatre was converted into a stock room.

Main Floor

Principal's office suite was placed at the north-east corner. A small classroom was converted to a Faculty Lounge.

Top Floor.

Parasitology Department was located in the south-east corner. A small classroom was incorporated into an adjoining laboratory to make provision for laboratory space for 120 students.

The same procedure was followed at the north-east corner to take care of the Bacteriology Department.

In addition to these major changes, other work was carried out including conversion of two offices at front of main floor, into a three-room suite of offices.

A canteen was provided for students in the basement of the main College Building and was completed in time for the opening of the fall term.

Electrical System—Remodelling of the outside electric service distribution was well advanced. An 18" cable trench was dug across the playing field, and two transformers were installed and other necessary material was purchased.

Driveways—The work of paving the main driveway to the front of the main building was continued to completion. A contract for this work was let and provided for a macadam asphalt paving, with concrete curbing, drainage and two catch basins.

Annex—Painting of the Annex Building was resumed and completed.

Loxtave Huts—Four Loxtave Huts were remodelled to provide accommodation as follows:

Hut A—Three box stalls for horses including new wood block floor.

B—Two pens for poultry.

C—Six stalls for cows and a box stall.

D—Isolation hut for small animals.

Incinerator—A field incinerator of brick construction 6' x 6' x 7'6" high was erected.

Army Hut—Alterations were made in the Army Hut Building to provide a fox and mink laboratory.

Autopsy Building—A contract was let for the construction of a new Autopsy Building in the form of an addition to the small animals' wing of the Main College Building. The work on this two-storey brick structure was well advanced. Rooms will be provided as follows:

Ground Floor: Autopsy Theatre, including operating table, observation gallery and refrigeration.

Second Floor: Four experimental laboratory rooms.

Trailer Camp—A service building was erected for the use of married students and their families, living at the trailer camp. The building, 30' x 40' was nearly completed. It provides accommodation as follows:

Men's Lavatory and Washroom.

Women's Lavatory and Washroom.

Laundry Room.

Steam heat and water was piped to twenty-eight trailers and electrical services installed.

Routine repairs were made to the various buildings.

Agricultural School, Kemptville, Ont.

Considerable further work was done to remodel the electrical distribution system, and the work is well advanced.

A driveway ramp to the mow floor of the barn was rebuilt.

A new hen house was erected.

A used hot water tank was supplied from the Ontario Hospital, Cobourg for the purpose of providing the barn with an auxiliary water supply.

Routine repairs were made as required, including the installation of a new boiler and stoker in the dairy building.

Experimental Farm, Ridgetown, Ont.

Some preparatory work was done in connection with the proposed erection of a students' residence and an additional lot was purchased fronting on Main Street.

General repair work was done to the greenhouse including repainting, glazing and re-capping roof area and gable ends.

Routine repairs were made including repairs to "steam return" and hot water piping in the greenhouse.

Horticultural Experimental Station, Vineland

Construction of the Horticultural Products Testing Laboratory progressed to a stage where the superstructure was substantially completed and the interior work well advanced.

The Staff Dormitory building and the semi-detached residence required only a few final touches before being turned over to the Experimental Station for occupancy.

A study has been made of the water supply system at this station and improvements contemplated include the following work some of which is already under way:

Construction of a new pump suction intake chamber, now under way.

Renewal and extension of water intake pipe from Lake Ontario.

Installation of new pressure filters, now on order.

A short section of 6" sewage line was relaid between cottages 11 and 13, and the septic tank in order to establish a proper fall.

A new drain to carry roof drainage from cottages 3 and 4 was connected to the storm drainage line.

Repairs were made to the brick work at the front entrance to the Administration Building.

Repairs were made to chimney tops on three of the staff cottages.

Alterations were made to the main building to extend the Chemistry Laboratory, providing space for soil testing.

New 4" valves were installed in the existing water mains which service all buildings.

Repairs were made to the concrete sidewalks around the Administration Building.

Erection of an implement storage and fire equipment building was completed, one-third of the space to be used for a fire hall and the remainder for storage of equipment.

New asphalt shingles and siding were applied on House No. 7, and repairs were made to the porch.

Sundry repairs were made to the Brandt Cottage.

Repairs were made to the roof of House No. 8.

Fruit Inspection Building, Winona

An inspection was made as to maintenance and repair requirements. Rough sketches were prepared in connection with providing additional accommodation for the staff and for water supply and sewage disposal.

Fruit Inspection Building, Wheatley

This building was completed and made ready for occupation.

Fruit Inspection Station, Gravenhurst

A site for a proposed new building suitable for both summer and winter inspection, was selected. Some minor alterations were made to the existing building due to re-construction of Highway No. 11 in that area.

Rural Youth Training Centre, Cayuga

To improve the water supply a new well was drilled but satisfactory results were not obtained. The existing supply has been improved with special chemical treatment and new pumping equipment will be installed.

Cooling Station, Brighton

Construction of a new auxiliary refrigeration system, which was undertaken during the previous year, was completed.

Demonstration Farm, New Liskeard

The farm was re-wired and three floodlights were installed on the barn.

DEPARTMENT OF THE ATTORNEY GENERAL

The building of radio transmitter stations for the Ontario Provincial Police, mentioned in last year's report, was continued. The work was carried out in co-operation with the Department of the Attorney General. Some of the stations were completed and work on others started, as undernoted, at the following locations:

- Aurora (Completed)
- Ancaster (For most part completed)
- Belleville (For most part completed)
- Barrie (Completed)
- Chatham (Completed)
- Cornwall (For most part completed)
- Essex (Started this year and completed)
- Fonthill (Completed except landscaping and driveway)
- London (Completed except driveway)
- Mount Forest (For most part completed)
- Perth (Completed except driveway)
- Peterborough (For most part completed).

PROVINCIAL POLICE DETACHMENT OFFICES

Port Credit — A building at Port Credit on the Queen Elizabeth Way was acquired from the Department of Highways and a start was made on alterations and improvements to establish an office and a four-car garage for a detachment of the Ontario Provincial Police.

Ottawa—A property was purchased to provide quarters for a Headquarters Detachment. This property includes a two-storey, six-room concrete block building and a concrete block double garage, facing on Highway Number 31, with a frontage of fifty feet.

DISTRICT BUILDINGS

Algoma

Court House, Sault Ste. Marie—General plaster repairs were made and some interior painting. New stokers were installed with the necessary electric wiring. Minor repairs were made to the roof. New window shades were installed and two new bookcases were supplied for the Library.

Gaol, Sault Ste. Marie—A new refrigerator was supplied, as well as a new stainless steel sink. Toilet bowls in cells were replaced.

Registry Office, Sault Ste. Marie—Minor repairs were made.

Hornepayne—Construction of a Lock-up and Constable's quarters for the Provincial Police was near completion.

Cochrane

Lock-up, Hearst—A 16" fan was installed and several items of fire-fighting equipment were supplied. Some painting and decorating was done, also minor repairs.

Lock-up and Office Building, Matheson—Minor repairs were made.

Kenora

Court House, Kenora—Good progress was made on a complete renovation of the building, with new lavatories provided for the Court House staff and the general public. Work in all trades included complete re-wiring and re-lighting. The basement was fitted to provide additional office space for the Provincial Police. A new sewage disposal system was also constructed. Maintenance and repair work was carried out in the boiler room and extensive minor repairs were made throughout the building.

Repairs were made to an adjacent residence acquired previously by the Department of Lands and Forests and occupied temporarily by the Court House caretaker.

Registry Office, Kenora—Re-wiring and re-lighting was completed.

Gaol, Kenora—A new electric signal system was installed, also a new refrigerator. Sundry maintenance and repair work was done.

Gaoler's Residence, Kenora—Minor repairs were made.

Government Office Building, Sioux Lookout—Minor repairs were made.

Red Lake—The McCuaig Hotel Building at Red Lake was purchased to provide accommodation for the Ontario Provincial Police and Mining Recorder. The necessary alterations and renovations are at present underway.

Kenora, Patricia Portion—Construction of a Constable's Residence, police offices and 4-cell lock-up was about 75% completed.

A "Hearing Room" will be provided in the Building for the hearing of minor offences.

Manitoulin

Court House and Registry Office, Gore Bay—Minor repairs were made.

Lock-up, Gore Bay—Minor repairs were made.

Muskoka

Court House, Bracebridge—A general improvement program, initiated in the previous year was well advanced. The new north and south additions, containing fire tower stairways were practically completed. The work also included renovation of the original portion of the building, re-locating the vault, complete new lathing and plastering throughout, additional washroom and toilet facilities, and a new electrical installation.

Gaol, Bracebridge—Remodelling of this building to provide a constables' residence, radio room and lock-up was practically completed.

The old gaol at the back of the building was rebuilt with concrete floors, new brick walls and concrete roof, providing police office, radio room, one female cell, four male cells, toilets in all cells, with basin and shower in the day room.

The interior of the residence was redecorated and a new bathroom was provided. Built-in cupboards were installed in the kitchen and new linoleum was laid in the upstairs rooms. A portion of the chimney was rebuilt and there were extensive repairs to the roof.

The garage at the back of the property was enlarged to provide for 2 cars, and a wash ramp was built.

Registry Office, Bracebridge—Minor repairs were made.

Nipissing

Court House, North Bay—The third floor of this building was partitioned, and finished to provide one large and one small office for the Department of Lands and Forests.

In the Sheriff's Office a partition was removed and the plaster repaired. A new counter was installed and the interior redecorated.

Miscellaneous carpentry and repair work was done.

Registry Office, North Bay—Minor repairs were made.

Gaol, North Bay—A buzzer and push button were installed, and prison locks and keys were replaced.

Health Clinic, North Bay—Minor repairs were made.

Parry Sound

Court House, Parry Sound—Complete renovation of the building was underway. This included replastering, interior painting, laying of linoleum on all floors, remodelling the magistrate's Court Room and the Main Court Room, installing a fireproof stairway, renovating plumbing and re-wiring and re-lighting.

New furniture, including a new magistrate's bench, was installed. Considerable minor repair work was done.

Registry Office, Parry Sound—The ceiling was insulated and the roof re-shingled.

Gaol, Parry Sound—General repairs included interior painting, plumbing, re-plastering and re-wiring. A new electric stove was installed.

Lock-up, Burks Falls—Minor repairs were made.

Provincial Police Residence and Radio Room, Burks Falls—Construction of a Provincial Police Residence with office and radio room was completed the previous year except for exterior painting of the building, and eavestroughing, which was done this year.

Rainy River

Court House, Fort Frances—Fire brick and other refractory materials were purchased in connection with re-setting of one of the boilers and repairs were made to the various steam reducing valves. Routine repairs were made as required.

Registry Office, Fort Frances—Minor repairs were made.

Gaol, Fort Frances—Miscellaneous repairs were carried out, including plumbing and sewer repairs.

Lock-up, Fort Frances—Minor repairs were made.

Sudbury

Court House, Sudbury—Fire fighting equipment was installed and the new fire escapes were painted.

Electric lighting improvements were made. New parts were purchased and installed in the two stokers. General repairs were made to the plumbing and heating systems and material was purchased for repairing the boilers and furnaces.

Registry Office, Sudbury—Minor repairs were made.

Gaol, Sudbury—A used kitchen range was transferred from the construction camp at Dorset to the Gaol kitchen. Heavy wire mesh window screens were installed on all cell block windows.

Lock-up, Foleyet—Minor repairs were made.

Lock-up, Gogama—A residence in Gogoma, previously purchased, was remodelled to provide a Provincial Police Constable's residence. An addition was built to the residence to provide Provincial Police offices and a four-cell lock-up. The residence will provide a Magistrate's Hearing room. All of this work was well advanced.

Temiskaming

Court House, Haileybury—Some of the offices were rearranged, involving partition work, floor-sanding, interior painting, plumbing, etc. Some additional furniture was supplied, including a new oak table for the library. Repairs and changes were made to the heating system, and other minor repair work was done.

Registry Office, Haileybury—Minor repairs were made.

Gaol, Haileybury—The front entrance steps were rebuilt in concrete and a new concrete front sidewalk was laid. A stainless steel double sink and a new refrigerator were installed. Miscellaneous repair work was done.

Lock-up, Elk Lake—The small steam boiler was cleaned and minor repairs made.

Lock-up, Englehart—A shower bath was installed and routine repairs were made.

Mining Recorder's Office, Swastika—Minor work was done.

Thunder Bay

Court House, Port Arthur—There was a continuation of a general program of renovation and improvement that was in progress the previous year, and the work was for the most part completed. Routine repairs were made as required.

Registry Office, Port Arthur—Routine repairs were made.

Gaol, Port Arthur—Wire mesh screens were installed on cell block windows and a new electric range was supplied and connected. Repairs were made to the heating system.

Registry Office, Fort William—Minor repairs were made.

Lock-up, Geraldton—The existing building is being remodelled to provide extra cell accommodation and additional living quarters for the Police Constable. This work is nearing completion.

Provincial Police Residence and Lock-up, Armstrong—A contract was let and the work advanced on the construction of a new residence and Lock-up for the Provincial Police.

Constable's Residence and Lock-up, Improvement District of Beardmore—A former town school building was purchased to provide Constable's quarters and Lock-up for the Provincial Police. Alterations and the erection of a second storey over the front portion of the Building were for the most part completed.

ONTARIO HOSPITALS

Ontario Hospital, Brockville

The work of carrying on a fireproofing program was started in the easterly end of the Main Building of this Hospital. Such work will be continued progressively, one section at a time so as to give the least interference to the routine operations of the Hospital. The program generally being carried on at this and other Mental Hospitals selected for such work will include, in the main, the installation of

fully enclosed fire tower exit staircases, fire stop walls and doors at chosen locations to stop spread of fire, as well as fireproof floors, ceilings and partitions where economically possible. Improvements of a general nature are also being included in this fireproofing program, including repairs, renovations or replacements of the existing mechanical service systems as may be found necessary during progress of the work.

A new concrete Septic Tank was constructed at the Stag Farm House and installation of a new sewage tile bed commenced.

A new concrete Septic Tank was also constructed at the Power House.

Preliminary surveys were made in connection with the complete revision of the water supply and distribution system for the main Hospital Buildings.

General repairs were made to the Hospital Buildings including partial re-roofing of Elm Grove Cottage. Perished slate was removed and replaced with asbestos shingles and two flat decks were treated with tar and gravel.

Ontario Hospital, Cobourg

A suspension harness was installed to support two 54" x 12' H.R.T. Steam Boilers brought from the Ontario Hospital, Brockville, and the work was made ready for bricking in.

Permission was granted to the Public Utilities Commission of Cobourg to cross the Hospital property at the rear of the Main Building with a 12" Watermain. The work was completed and an easement agreement is now being prepared.

Miscellaneous repair work was done to the various buildings as required. Boiler No. 2 was re-tubed.

General repairs were made to the roofs of the several buildings, including re-roofing of the main Hospital building and the Gymnasium building. Eaves-troughs and down pipes were repaired or replaced as required.

Ontario Hospital, Fort William

A new hot water boiler was installed in the staff dormitory and repairs were made to the heating system in the Greenhouse. Repair work of a general nature was also done.

Construction of a new 40,000-gallon capacity underground concrete reservoir was completed, complete with Pumphouse and pumping equipment for domestic use and fire protection.

A new drain was constructed to take care of ground water in the barn area.

Ontario Hospital, Hamilton

The work of remodelling the main kitchen in the Orchard House and repairing kitchen service rooms was continued and completed, including the installation of new kitchen equipment and a new ventilation system.

Steel sash were replaced in the main kitchen of the main building.

As part of a general fireproofing program, work was started at the main building on the erection of two outside steel fire escapes, to service three floors, as well as the building of two new fire tower stairs through four floors.

In Ward 8, Main Building, tile floors were laid in six single rooms.

Work was also started on the installing of tile dado on the walls of the milk room in the cow barn.

The outside electrical distribution lines were rebuilt.

Miscellaneous minor repairs were made to the various buildings as required, including roofing and sheet metal work and boiler re-tubing.

Ontario Hospital, Kingston (Rockwood)

Work on the first stage of a fireproofing program in the main building which started last year, was continued. This work included a new fire tower stairwell, with new elevator and fire doors and provision of fire door exits from patients' side wings on all floors to the central tower. This work was for the most part completed. The new stair and elevator will service all four floors and basement.

The second stage of this fire proofing program of the Main Building was started this year, and has consisted chiefly of constructing fireproof floors in corridors and the patients' Dining Rooms on the various floors of the centre block of the Main Building.

The retubing of one of the boilers at the main Power Plant was completed and extensive minor general repair work was done in the various buildings.

A major program of repair and maintenance work to the exterior of the main building was under way. The work included pointing of the stonework, repairs to the eavestroughing and gutters and exterior painting. Metal scaffolding was used for the work which was done simultaneously by the workmen of these several trades.

Repairs were made to the roof of the cold storage building at the rear of the boiler plant.

Ontario Hospital, Kingston (Mowat)

Renovation and improvement work was carried on in connection with the washrooms and lavatories in Pavilion No. 9. Wallboard was applied over old plaster and the Pavilion was repainted. Considerable replacement was made of dryrotted timbers.

The Newcourt barn was re-shingled.

A start was made on the re-shingling of the barn at Lake Ontario Park.

Extensive replacement of dryrotted beams and posts of the patients' dining room centre was started. This work involved the removal of windows and replacing some of the brickwork.

Ontario Hospital (Langstaff) and (Concord)

(Langstaff)—A new heating boiler was installed in the Greenhouse. Extensive roof repairs were made, particularly to the roofs of the barns. A new pump was installed at No. 2 Well and sundry repair work was done.

(Concord)—Routine repairs were made.

Ontario Hospital, London

A water softener was installed in the laundry and a new sink in the kitchen in the main building. General repairs were made as required including roofing and sheet metal work and repairs to the Hydro pole lines.

Re-roofing of the Root House was for the most part completed.

Ontario Hospital School, Montague Township

Re Group "A" Buildings—This group of buildings will, when completed, provide 900 beds for ambulatory patients comprising six ward wings, together with bathing and change of clothing pavilions, patients' outdoor clothing and visiting units, as well as central dining rooms for the patients of each sex. It is expected that this group of buildings will be for the most part completed during the next fiscal year.

Re Group "A1" Buildings—This group started in the last fiscal year and being continued during this fiscal year will include generally the following:

Central Dining Halls and Cafeterias for male and female patients,

Central Kitchen and Central Refrigeration services,

Staff Dining Hall,

Central Stores, Bakery and Pasteurizing centre.

Re Group "A2" Buildings—Preliminary plans are being laid out for Group "A2" buildings which in the main will be a repeat of Group "A" buildings with certain changes in location of patients' Dining Room centre but omitting the Central Kitchen and Service Building and replacing it with an Occupational and Training Building for patients.

Re 10" Watermain—A 10" Watermain was installed to connect the system of this Hospital with the system of the Town of Smiths Falls.

Re Main Primary Electric Feeder Line—A main primary electric feeder was installed during the fiscal year from the Hydro lines at the River Road to the Hospital.

Ontario Hospital, New Toronto

In Cottage No. 5, a program of renovation and improvements, undertaken in the previous year, was carried to completion. This work included repairs to plaster, replacement of doors, improvements to bathroom plumbing and installing of fireproof floors.

Acoustic tile was installed on the walls and on the ceiling in the Recreation Building.

Re-roofing of the Gate House was carried out.

The old roof over the Generator Room was replaced with a new felt and gravel roof and repairs were made to the eavestroughs and down pipes.

General maintenance and repair work carried out during the year included road paving, roof repairs and pipe covering.

Ontario Hospital, Orillia

The work of repairing the roofs at this Hospital was continued.

New tubes were purchased and installed in one of the boilers and considerable miscellaneous repair work was carried out.

Considerable progress was made in the Main Building in connection with the installation of fire stop walls and fire doors, as part of a general fireproofing program.

As part of this fireproofing program the vestibules and platforms of the circular metal tower fire escapes at the Main Building were remodelled and painted.

A start was made to install new soot blowers in boilers Nos. 3, 4 and 6. This work will be completed as soon as all essential parts have been delivered.

Construction work was started on an addition to the Laundry Building, and the new laundry machinery was placed in order.

The construction of a 12" outfall sewer from the Hospital to the new sewage treatment plant of the Town of Orillia was almost completed. The project was carried out on the basis of labour being supplied by the Town of Orillia and the material by this Department.

Ontario Hospital, Penetanguishene

The repair work carried out during this fiscal year included general repairs to the Workshop and Bakery, repairs to the domestic hot water tank in the Boiler House and numerous minor repairs.

The outside electric wiring plant was rebuilt, providing for the new pumps for the water system. Cables that were displaced by the new underground reservoir were removed and replaced, by redesigned cables. Obsolete overhead lines were replaced. Rewiring was done for street lighting, also the laundry and the barns.

Construction of an underground concrete reservoir of 200,000 Imperial Gallon capacity was completed. New pumping equipment was ordered and will be installed in a new pumphouse to be constructed adjacent to the boiler plant. The fire service pump will have a capacity of 1,000 U.S. gals. per minute at 90 pounds per square inch discharge pressure, and two electric motor driven domestic service pumps will have capacities of 150 and 50 I.G.P.M. respectively, the former being for day-time use and the latter for night use.

Ontario Hospital, Toronto (999 Queen Street West)

The Greenhouse superstructures were torn down and entirely re-built, and a new reinforced concrete floor was laid in the small Greenhouse. Repairs were made to the monitor of the boiler room and partly rebuilt. The tile work in the kitchens was taken up and replaced with new red quarry tile. The floor in the long corridor to the kitchens was re-laid in concrete. Considerable repairs were made to the masonry and the roof of the Main Building was entirely overhauled by contract.

Psychiatric Hospital, Toronto

Temporary repairs were made to the domestic hot water system.

Ontario Hospital, St. Thomas

A program of painting exterior window grilles and steel sash (approximately five thousand windows) was continued and the work was about 60% completed.

The erection of Root House No. 2 was completed including the necessary drainage.

This building is partly two-storey. Otherwise it is similar in size and construction to Root House No. 1 erected previously.

General repairs were made to the Farm House.

Considerable grass seeding and landscaping work was done to the Hospital grounds.

Repairs and replacements were made to Stokers.

General routine building repairs were made, as required.

Ontario Hospital, Whitby

General repair work carried out during the year included: repairs to roof of the Annex Building, the Women's Dining Room and the Amusement Hall, and the installation of two hot water storage tanks.

Miscellaneous repairs to the various buildings were carried out.

A new building, 16' x 36' was erected for use as a hog shelter.

Ontario Hospital, Woodstock

The work of pointing the brick and stonework commenced during the previous year on extension of Epileptic group and T.B. group buildings was continued.

The remodelling of mechanical ventilation systems in main kitchens of Tuberculosis and Epileptic groups was continued to completion.

The work of making alterations and improvements in the dining hall of the Tuberculosis section was well advanced and almost completed.

Minor repairs to plaster work in two rooms on the top floor of Cottage "B" Staff Quarters was completed.

A start was made on the following alterations and improvements:

In Dining Hall Unit of Tuberculosis section, Basement Room No. 15 is being made suitable for Occupational Therapy purposes;

In Reception Unit of Tuberculosis Section, Basement Storage Room No. 15 is being made suitable for use as a Morgue;

Three Sprinkler Heads, also 75' of fire hose and reel is being installed in Basement Room and vault adjoining, which is now being used for storage of films;

In Epileptic Section the room originally called "Doctors' Dining Room," located between the main kitchen and Staff Dining Room is being converted to a Servery;

Weeping tile was laid for drainage of part of the farm section. Miscellaneous painting was done and the stokers were repaired. Routine repairs were made as required.

EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Generally plans were examined and recommendations forwarded to the Department of Health in connection with new construction, alterations and additions to General Hospitals, Convalescent Homes, Red Cross Hospitals and Private Hospitals.

Proposals of various kinds were dealt with this fiscal year in connection with the following:

General Hospitals

Rosamund Memorial	Almonte
Royal Victoria	Barrie
Belleville General	Belleville
Bowmanville	Bowmanville
Peel Memorial	Brampton
Campbellford Memorial	Campbellford
Haldimand War Memorial	Dunnville
Durham Memorial	Durham
McKellar General	Fort William
Gananoque and District	Gananoque
West Lincoln Memorial	Grimsby
Guelph General	Guelph
St. Joseph's	Guelph
Hamilton General	Hamilton
St. Joseph's	Hamilton
Hanover Memorial	Hanover
Alexandra	Ingersoll
Kincardine General	Kincardine
Kingston General	Kingston
Kitchener - Waterloo	Kitchener
Victoria	London
St. Joseph's	London
Centre Grey General	Markdale
St. John's Convalescent	Newtonbrook
Niagara Falls General	Niagara Falls
Queen Victoria	North Bay
Oakville-Trafalgar Memorial	Oakville
Soldiers' Memorial	Orillia
Ottawa General	Ottawa
Salvation Army Grace	Ottawa
General and Marine	Owen Sound
Pembroke General	Pembroke
Pembroke Cottage	Pembroke
Peterborough Civic	Peterborough
Port Perry	Port Perry
St. Catharines General	St. Catharines
St.: Mary's Memorial	St. Mary's

Plummer Memorial	Sault Ste. Marie
Scott Memorial	Seaforth
Sioux Lookout General	Sioux Lookout
General (proposed)	Smooth Rock Falls
Stratford General	Stratford
Strathroy General	Strathroy
St. Jean de Brebeuf	Sturgeon Falls
Sudbury General	Sudbury
Soldiers' Memorial	Tillsonburg
Toronto General	Toronto
Toronto East General	Toronto
Hospital for Sick Children	Toronto
Mount Sinai	Toronto
Christie Street	Toronto
Welland County	Welland
Humber Memorial	Weston
Metropolitan General	Windsor
Salvation Army Grace	Windsor

Sanatoria

Fort William Sanatorium	Fort William
D.V.A. Tubercular	Kingston
Freeport	Kitchener
Queen Alexandra	London
Niagara Peninsula	St. Catharines
Toronto Hospital for Consumptives	Weston

Red Cross Hospitals

Proposed 5-bed Unit for Canadian Red Cross Society.

Proposed 13-bed Unit for Canadian Red Cross Society.

Atikokan

Atikokan

Private Hospitals

Hopewell	Brock's Beach
Mrs. Forbes	Delaware (proposed)
Beckcliffe	Hagersville
Bethesda	Lansing
Nightingale Nursing Home	Lindsay
Salvation Army Bethesda	London
Alice Mary Arms	London (proposed)
Wilson Memorial	Marathon
Margaret Cochenour Memorial	McKenzie Island
Milton	Milton
Painswick	Painswick (proposed)
Elsie Nursing Home	Port Colborne (proposed)
Bellevue	St. Catharines
Plummer	Simcoe
Dr. Shouldice's Surgery	Toronto
Vankleek Hill	Vankleek Hill
Bethesda Home for the Mentally Ill	Vineland

EXAMINATION OF PLANS FOR THE DEPARTMENT OF PUBLIC WELFARE

In addition to the above examination of plans and recommendations for the Department of Health, similar reports and memoranda were furnished to the Department of Public Welfare in connection with the following:

New Home for the Aged	Belleville
Peel and Halton Home for the Aged.....	Brampton
Lutheran Home for the Aged	Hespeler (proposed)
Protestant Orphans' Home	St. Catharines
Belmont Home	Toronto
Catholic Infants' Home, Wellesley Place	Toronto
Faith Haven (Salvation Army Home).....	Windsor
Good Shepherd Refuge	Windsor

ONTARIO REFORMATORIES

Ontario Reformatory, Brampton

The work of remodelling former military camp buildings was continued during this fiscal year, and the following army camp buildings were altered and remodelled and equipped to provide accommodation as follows:

- Building No. 14—Gymnasium, Motor Mechanics Shop, Machine Shop, Welding Shop.
- Building No. 15—Guards' quarters for Mimico Annex.
- Building No. 16—Dormitories and Dining Hall for inmates of Mimico Annex.
- Building No. 20—Sergeant's Office, Camp Stores, Library and Game Room.
- Building No. 22—Hobby Shop, Students' Dormitory and Lounge.
- Building No. 24—Students' Stores.
- Building No. 26—Main Kitchen, Staff and Students' Dining Halls, Cooking School.
- Building No. 28—Students' Dormitory and Lounge.
- Building No. 29—Assembly Hall and Academic Classrooms.
- Building No. 30—Students' Dormitories.
- Building No. 31—Tinsmiths' Shop and Radio Shop.
- Building Nos. 1, 8, 9, 34 and 35—Living quarters for married staff (21 apartments).

During this year, a start was made on placing masonry foundation walls and piers under the former army camp buildings which are now supported on wood posts.

A dental clinic, complete with all necessary plumbing and equipment, was installed in the Administration Building.

Inmate labour is being used on the construction work at this Institution, as and when available.

Industrial Farm, Burwash

Continuing the program of expansion previously started at Camp No. 2, using buildings dismantled and shipped from the former prisoner of war camp at Monteith, the following work was carried on:

Fifteen huts were in course of re-erection and remodelling to provide 60 apartments for married members of the staff.

Two huts were re-erected, remodelled and equipped as a Trades and Academic School for inmates.

A large H hut was in course of re-erection and remodelling to provide additional class room and other accommodation at the Public School for staff members' children.

During the year the two double duplex brick residences were completed and turned over for occupation.

In addition to the foregoing class of work the following work projects were also carried out at this Institution:

Water, sewage and electrical services were extended to serve the new staff housing project, the school for Inmates and the Public School.

A start was made on rehabilitating the main electrical distribution system at Camp No. 2.

In the central stores building, Camp No. 2, work was started on remodelling the food storage refrigerator rooms and the milk pasteurizing plant and converting these units from natural ice to mechanical refrigeration.

A new engine was purchased and installed on the rock crushing plant.

Work was started at Camp No. 1 on the construction of a new water system to include an underground reservoir, pump-house and pumps for domestic use and fire protection.

Materials were supplied by this Department for redecorating twenty staff apartments. Institutional staff and inmates carried out the work.

Ontario Reformatory, Guelph

A start was made on the erection of a new hospital building for inmates to provide complete general hospital facilities including:

Medical and surgical wards.

Major Surgery Department.

Minor Surgery Department.

X-ray Department.

Venereal diseases treatment unit.

Dental operating department.

Dispensary.

Diet Kitchens.

In addition to the foregoing general hospital accommodation the major portion of the second floor of the building will provide accommodation for the care and treatment of tubercular cases.

The building will have a total capacity of 53 beds, 28 for general hospital cases and 25 for tubercular cases.

Two army huts removed from the former army camp at Cornwall were re-erected and remodelled to provide accommodation for a Training School for guards of this and other Reform Institutions.

Work was started on the renovation of the parapet walls on the main institution buildings and extensive repairs to stucco work have also been started.

Inmate labour, to the limit available, is used on the work at this institution.

Construction of an addition to the Cannery Building, started during the previous year, was completed. The new addition will provide additional storage space for cannery products.

Ontario Reformatory, Mimico

Considerable progress has been made in the renovation of the tile and brick making plant, referred to in the previous year's report, and this work will be carried on until complete modernization of the plant has been effected. Progress will, of necessity, be slow as it is intended to maintain the plant in full production during the reconstruction operations.

Remodelling of a large residence formerly known as Patients' Farm Cottage, started last year has since been completed. It provides four apartments for the Reformatory Staff.

Renovations of a former Army H Hut, to provide dormitory accommodation for one hundred short-term prisoners, were completed during this fiscal year.

A new hot water heating system was installed in the Superintendent's Residence, replacing the old worn-out hot air system and the kitchen and bath-rooms were remodelled.

The electrical power distribution lines servicing the farm group of buildings, including the new staff apartments and the poultry houses, are being re-built.

Repairs were made to the roofs and windows in the main building. The dairy barn was re-wired and other routine repairs were made as required.

Industrial Farm, Monteith

The work of restoring the original buildings as well as remodelling a number of the temporary buildings, left by the Department of National Defence when they vacated these premises on May 9th, 1947, was continued during the present fiscal year using inmate labour when available.

The work of dismantling, removal for re-erection and salvage of material in connection with those temporary buildings which will not be needed at Monteith, was also continued.

Shipments of buildings in sections and/or building materials, salvaged from the Department of National Defence temporary buildings, were made to: Burritt's Rapids, Smiths Falls, Ridgetown, Burwash, Burtch, Toronto, Fort Erie, Sarnia, Cochrane, Matheson, Englehart, New Liskeard, Haileybury, Cobalt, Temagami, North Bay and Dorset. The salvaged materials were used in building projects being carried out by this Department at these points.

The following statement shows the progress made in remodelling and dismantling of temporary buildings left on the premises by the Department of National Defence and the disposition of these buildings:

Buildings Turned Over by Department of National Defence—
to Department of Public Works.....

94

	1947-48	1948-49
1. Dismantled and Shipped to Burwash	19	19
15 for Staff Apartments		
1 for Addition to Staff School		
2 for Inmates Educational School		
1 for Department of Public Works' Office and Stores.		
2. Dismantled and Shipped to Dorset for Staff Apartments — Dept. of Lands and Forests	3	3
3. Dismantled and Shipped to Swastika for Garage and Work Shop — Dept. of Lands and Forests	1	1
4. Dismantled and Material Salvaged	23	23
5. Remodelled for Use by Dept. of Reform Institutions—Monteith	17	17
No. 3 Staff Recreation Building		
No. 5 Dept. of Public Works' Stores		
No. 12 Pump House		
No. 15 Single Personnel Quarters		
No. 16 Married Personnel Quarters		
No. 17 Inmate Dormitories		
No. 18 Inmate Dormitories		
No. 19 Inmate Dormitories		
No. 25A New Laundry and Garage		
No. 28 Sewage Disposal		
No. 28A Sewage Disposal		
No. 28B Sewage Disposal		
No. 78 Dept. of Public Works' Store and Office		
No. 81 Temporary Laundry and Shoe Repair		
No. 82 Dept. of Public Works' Superintendent's Quarters		
No. 84 Piggery		
No. 85 Sergeant's Residence		
6. Buildings still to be Dismantled		31

TOTAL

94

In addition to the foregoing work extensive renovations and alterations were carried out in the Superintendent's Residence, the blacksmith shop was altered to provide space for a carpenter shop and machine shop, and the underground steam and return mains from the central boiler plant to the various custodial buildings were replaced.

Andrew Mercer Reformatory, Toronto

General repairs were made to the buildings and equipment at this Institution, a tumbler drier was installed in the laundry, large sections of the fences were rebuilt following a windsorm, a small guard house was built at the front of the property and the electrical system throughout the buildings was renovated.

Training School for Boys, Bowmanville

In addition to general repairs to all buildings extensive major repair and maintenance work at this School was carried out or substantially completed during the year as follows:

Plaster and other repairs were made in the Gymnasium Building and Swimming Pool.

New tar and gravel roofs were laid over Jury Lodge, Kiwanis Lodge, Gymnasium and Swimming Pool Building and the Workshop Building.

The heating plant in the Superintendent's Residence was overhauled.

Extensive alterations were made to the electric wiring system, and considerable progress was made in connection with a new street lighting system throughout the grounds.

Construction of a one-storey laundry building at the rear of the Work Shop was about half completed, and laundry equipment was ordered. Salvaged lumber from Cornwall was used on this work.

Training School for Boys, Galt Division

Construction of a new residence for the Principal of this school was completed and made ready for occupation.

Erection of a root house was nearly completed, with inmate labour being used to the extent available.

The exterior of the School Building, including the sash, inside and outside was painted and broken glass was replaced.

New equipment was installed in the dental office.

The coping stone at the rear of the main school building was removed and re-built with new copper flashing.

Repairs were made to the boiler doors and brick work and the stoker was overhauled. A new ash hoist was installed, also a pump and tank.

Repairs were also made to the boys' lavatories.

Training School for Girls, Cobourg

Work was well advanced on the construction of an addition to Strathmore House to provide detention rooms. This new wing is of fire-resisting construction and consists of three detention rooms with a basin and toilet in each, and a supervisor's corridor.

At the McCook House the storm water drainage system was disconnected from the Town of Cobourg sanitary sewers and new drains laid to carry the storm water to the highway drainage system.

A new 6-inch water main was constructed from Strathmore House to connect with the Town of Cobourg system, 3 new hydrants were installed and new water service connections made to the Main Building and Staff House. A new 4" loop with 2 fire hydrants and a new domestic service was made at the McCook House.

Major alteration and repair work carried out or nearly completed during the year was as follows:

Complete re-decorating of McCook House.

Extensive interior changes to comply with the Fire Marshal's recommendations, in McCook and Strathmore Houses.

General repairs to the roof of McCook House, new copper eaves and down pipes and repairs to the wall stucco work.

Other routine repairs were made as required.

Industrial Farm, Neys

Remodelling of buildings, previously purchased from War Assets Corporation, was continued, providing temporary quarters for Institutional use during dismantling operations. This work is now near completion.

Shipments of salvaged material were made to other centres as required.

Equipment purchases for the Institution included two trucks, a washer, a projector and screen.

Temporary Industrial Farm, Cornwall

The work of dismantling the former Army Camp buildings which had been purchased from War Assets Corporation, was continued.

Inmate labour was used to a considerable extent on the dismantling operation, and all buildings were salvaged and shipped to other centres where required.

Industrial Farm, Burtch

Alteration work at this former Air Port, purchased from the Dominion Government, in the previous year was continued.

The existing buildings were altered and repaired and fitted out to suit the requirements of this New Institution and the sewage and water systems were overhauled and placed in service.

Purchases of furniture, furnishings and various types of equipment were made as required.

Work was started on the erection of a temporary main prison block, and the concrete foundation was nearly completed during this year.

Industrial Farm, Burritt's Rapids

Considerable progress was made in the establishing of this new Industrial Farm. Temporary buildings from the former Army Camp at Cornwall were dismantled in sections and shipped to Burritt's Rapids for re-erection. Temporary quarters were provided for the staff and inmates. The work of re-erection was advanced to various stages of completion and when completed will provide an Administration Building, Central Kitchen and Dining Halls, Staff Living Quarters (single men), Laundry, Boilerhouse and Trades Shops, Inmates' Dormitories, Pumphouse and Water Reservoir, Superintendent's Residence, Sergeant's Residence, Married Officers' Apartments, Farm Buildings and other buildings.

Furniture and furnishings were purchased for the dormitories and institutional equipment was supplied including a truck and a quantity of farm machinery.

DEPARTMENT OF LANDS AND FORESTS

AIR SERVICE DIVISION

Sault Ste Marie—Construction work on a large addition to the hangar, workshops and stores buildings was continued and substantially completed. The existing buildings were remodelled to provide space for stores, woodworking shop, machine shop, metal shop, fabric shop, etc.

Various items of machinery and other equipment were supplied to fill the needs of the several shops.

Interior painting of the existing buildings including Hangar, Engine Shop and Carpenter Shop was completed.

Buildings were under construction in the northern section of the Province to provide quarters for pilots and mechanics of the Air Service Division. The work progressed to various stages and is noted as follows:

Eva Lake—Tenders were called for the erection of two summer use cottages and a workshop.

Port Arthur—Erection of two all-year use cottages and one workshop, plus construction of a garage, driveway and walks was substantially completed.

Parry Sound District—Construction of three summer use cottages and a Workshop was completed.

Orient Bay—Work was completed on the erection of three all year use cottages.

Geraldton—Erection of two all year type cottages and one workshop was completed, and arrangements were underway to construct a new air base wharf. Considerable difficulty has been encountered in obtaining a suitable domestic water supply for this air base and the drilling work is being continued.

Smoke Lake—An extension to the existing Aircraft Hangar on the edge of the lake was completed.

Chapleau—Construction of two all year type cottages and one workshop was largely completed.

Gogama—Construction of two all-year type cottages, and a workshop was completed and work started on two additional cottages of the same type. A Generator House was erected and a 20,000 watt gas-driven generator installed.

Oba Lake—Erection of two summer use cottages was well advanced.

Red Lake—Two all-year type cottages and a workshop were completed.

Sudbury—Two all-year type cottages and a workshop at Ramsay Lake were substantially completed.

FISH AND WILD LIFE BRANCH

South Bay Mouth—A program of work consisting of the erection of an ice house and a laboratory, also cribbing work at the water's edge, started in the previous year, was practically completed. In addition erection of a Workshop Building and a Net Shed was under way. Additional land was purchased as a site for the laboratory.

White Lake Fish Hatchery—Construction was started on five new bass ponds on a site previously cleared and stumped. Sheet piling was driven as a foundation for the core walls, and reinforced concrete core walls were formed and poured. The work in this connection was substantially completed during this year.

Dorion Fish Hatchery—The complete renovation of this Hatchery was continued and the following work done during this fiscal year:

The new reinforced concrete dam and spillway was completed and backfilled with earth.

An L-shaped addition to the hatchery, consisting of a pump room and a fuel room was completed.

Two new water supply intakes and flumes of reinforced concrete, one 500'-0" long and the other 300'-0" were completed.

Forty outside rearing tanks, each 5'-0" wide x 2'-6" deep inside measurement by 50'-0" long and complete with water supply pipe from flumes and valves to each tank and individual drains to the main drain, were built.

Construction was completed for three parent trout tanks each 12'-8" wide x 3'-6" deep inside measurement by 100'-0" long.

Construction was started for three parent trout earth tanks with reinforced concrete ends and the same dimensions as the concrete tanks.

Considerable backfilling of earth and grading was done.

Peterborough, Deer Lake Fish Hatchery—The new 12'-0" x 30'-0" bridge on the road approach to this hatchery for which the footings and formwork had been built in the previous fiscal year, was completed, replacing an old wooden structure which was removed.

A new residence was completed for the Hatchery manager, together with a garage for two cars.

The 1¼ miles of road approach to the Hatchery from the County road was drilled, blasted, widened, filled and graded and three large culverts were put in.

A new steel and wood footbridge was built across the falls and dam at Deer Lake, with proper handrails and guards, replacing two flat logs without side protection.

New steel stop log channels were built in the sides of the dam.

Petawawa, Pembroke Fish Hatchery—A complete renovation of this Hatchery was commenced, and the extent of the work completed by March 31, 1949, was as follows:

The collector wall was completely renewed. This wall was 2,700 feet in length along the base of the hill, by means of which the entire water supply for the Hatchery is collected to a central supply pipe and clean-out basin, where it is controlled by a new dam.

The construction of a new reinforced concrete collector wall dam with wood stop logs and iron grading was completed.

The excavation for and completion of a 14" wood stave pipe supply line 317 feet long from the collector wall dam to a pressure tank.

The completion of a pressure tank of reinforced concrete from which water supply lines were run to the new rearing shed, outside rearing tanks and existing Hatchery building.

The completion of a new building for the first stage rearing of speckled trout, with one wing for a pump house and one wing for a fuel room. This building provides 24 rearing troughs approximately 2'-0" wide x 20'-0" long. A small shelter with 16 jars was built on the west end of this building for the hatching of pickerel.

Ten outside rearing tanks 5'-0" wide x 50'-0" long x 2'-8" deep were built of reinforced concrete on concrete piers extending below the frost line.

All tanks were provided with piping for continuous water supply and underground drainage. In addition, removable wooden covers were made to properly fit each tank.

All outside and inside rearing tanks were painted with two coats of asphalt paint on the inside surfaces.

To eliminate a hazardous hillside road which was narrow and could not be properly plowed in winter and was the only entrance to the Hatchery, a new road was constructed to replace it.

A new reinforced concrete culvert was built over the collector wall for the Hatchery road.

REFORESTATION BRANCH

Southern Ontario Experimental Station, Maple—Construction work continued on the new Fish Research Building and the Greenhouse and Plant Laboratory Building. This work started last year and is now near completion.

A complete water supply system which included a deep drilled well, pump-house and pumping equipment, underground concrete storage reservoirs and underground water mains with fire hydrants and service connections to all buildings, was installed.

Building of a new electric power distribution system was completed.

A radio transmitter and receiving station and operator's residence are near completion.

Additional property was purchased for this station.

Thunder Bay Nursery, Fort William—Materials were purchased and the work started in connection with the construction of an irrigation system for this nursery.

FOREST PROTECTION BRANCH

Forest Ranger School, Dorset—Construction work on this project was initiated by the Department of Lands and Forests in 1943. Effective April 1st, 1947, administration and supervision of construction was transferred to the Department of Public Works.

The following buildings were substantially completed last year with some additional work done on each, during the present year, as noted:

In the Workshop building birch flooring was laid in the shop and pine flooring in the storage room. Fireproof flexboard lining was applied on the walls and ceiling of the shop, also on ceilings of the mechanical shop and storage garage.

In the Office and Superintendent's Residence, verandah screens were installed. Plumbing and Electrical work was done in connection with the installation of a water cooler. Installation of finishing hardware was completed.

Construction of the new School Building was brought substantially to completion by the General Contractor. Some interior work remained to be done, including laying of linoleum, painting and sundry carpentry work.

The construction camp, built by and operated for the workmen of the General Contractor was closed on December 31, 1948.

Rough grading around the School Building was completed.

Substantial progress was made in the erection of six houses for members of the teaching staff. A large quantity of building materials was brought from the Industrial Farm, Monteith for this work.

Franz—A contract was let and work well advanced on erection of a residence for the Chief Forest Ranger.

Wawa—A new residence was built for the Chief Forest Ranger and was for the most part completed.

Pembroke—An addition is now being erected to the existing District Office Building and alterations and renovations made to the present building.

General—In co-operation with the Department of Lands and Forests a considerable number of projects were carried out, for their several divisions throughout the Province, including the building of small offices, workshops, cabins, towers, boat houses, docks, roads, telephone lines, etc., as well as repair and maintenance work.

DEPARTMENT OF TRAVEL AND PUBLICITY

New buildings were completed and improvements carried out and general maintenance and repairs were made to existing buildings, as noted, at the following locations.

Cornwall

Property was purchased and a contract let for the erection of a new building.

Fort Erie (Peace Bridge)

Arrangements were made to move the existing building to a new location because of a change in the Highway entrance to the Peace Bridge and the building was made ready for the tourist business for the coming 1949 season.

Fort Frances

An addition was made to the building purchased during the last fiscal year and this work was nearing completion.

Ivy Lea (at Thousand Islands Bridge)

Alterations and improvements were carried out.

Kenora

Improvements were made to the existing building.

Niagara Falls

Arrangements were made with the Niagara Parks Commission for space in the Princess Elizabeth Building and the necessary counters, etc., were installed.

Pidgeon River (Fort William District)

A new building was completed and made ready for operation.

Point Edward (Blue Water Bridge, Sarnia)

The erection of a loxtave hut started in the previous fiscal year was completed.

St. Catharines (Horner)

Landscaping of this centre was carried out and other general improvements.

Windsor (at Bridge exit)

The interior of this Bureau was decorated and the exterior was also given two coats of paint.

Windsor (at Tunnel exit)

The interior and exterior of this building was decorated and shutters were also made.

Windsor

Property was purchased for a proposed new Reception Centre.

DEPARTMENT OF HIGHWAYS

Co-operation was given as usual to the Department of Highways in the matter of preparing working drawings, specifications or sketches of new work, alteration work or maintenance, or studying development of future projects as required.

The work carried out this fiscal year was as follows:

1200 Sheppard Avenue

A contract was let for an extension to the existing Paint Shop, including a new heating system. This work was near completion.

Huntsville

A contract was let for the installation of four new overhead doors. A survey was made in connection with an addition to the centre building.

North Bay

A building at Verner was completed and a heating system installed.

Hamilton

Construction of an addition to the Divisional Office Building was completed, providing a new draughting room. A new heating system was installed.

Winona

An inspection was made in connection with the proposed erection of a garage and storage building, using materials from a hangar building previously purchased.

Division Yards

Supervision was given to minor alterations and maintenance work in connection with service buildings at Division Yards at Whitby, Rouge River, Port Credit and Barrie.

Scale Houses

Supervision was given to minor alterations and maintenance work at Scale Houses at West Hill, Rouge, Brown's Line, Dixie, Long Branch, Winona and Stoney Creek.

ONTARIO GOVERNMENT OFFICE BUILDINGS

Ontario Government Building, Kingston

Excavation and repair work was done in connection with the 8" sanitary tile drain which had become broken and blocked.

New tiles were installed and two concrete manholes built to incorporate a 4" eave drain from the south side of the building, the 8" sanitary sewer and a second 4" eave drain from the north side of the building, all conducted to the City of Kingston Sanitary Sewer System.

Excavation and repair was also done to the 4" sanitary sewer line, which had become broken outside the basement wall.

New tubes were purchased and installed in one boiler and other minor boiler repairs were made. Routine maintenance work was carried out in connection with plumbing and heating systems.

Ontario Government Building, New Liskeard

On the second floor of this building alterations were underway to improve the accommodation for Department of Highways and Crown Land offices. This work includes altering partitions, re-wiring and new lighting fixtures, new linoleum and re-decorating.

Repairs were made to the roof.

Ontario Government Building, Matheson

Routine repairs were made including repairs to the plumbing and heating systems. New Window blinds were supplied.

Ontario Government Building, Richmond Street, London

Linoleum was laid in the offices occupied by the Department of Highways.

Minor repairs were made.

Ontario Government Building, Swastika

General repairs were made including repairs to the slate roof and brick chimneys, and considerable interior painting was done.

PROVINCE OF ONTARIO SAVINGS OFFICES

Co-operation was given in the usual manner to the Head Office Management of the Ontario Savings Offices in the matter of the preparation of working drawings and specifications for new or alteration work, as well as sketches for proposed work and arrangement of such renovation and improvement work as required at the existing Branch Offices.

The work of arranging and preparing new Leases and renewal of expiring Leases together with Agreements was carried out as directed.

The main work items carried out in the above connection were as follows:

Seaforth

Negotiations were started and sketch plans prepared for a new Savings Office.

St. Catharines

Completion of the new Savings Office.

Ottawa

Complete decorations to banking room and basement.

Aylmer

Repairs made to Tellers' gates, new gold lettering to main window.

Pembroke

Working plans and specifications for the complete renovation to the present banking fixtures; banking room decorated; linoleum laid to Manager's Office and working space.

Windsor

Renewing gold leaf sign to main window and doors.

Guelph

Banking room redecorated, new curtains and blinds installed, repairs to present boiler.

Parliament Buildings, Toronto

Working drawings with specifications were prepared together with supervision for a new Savings Office installed in Rooms Nos. 253-254, second floor Parliament Buildings. Complete new banking fixtures were installed together with new lighting and decorating.

The present vault door was moved to a new position and the vault off the banking room was renovated. New wood shelving, cabinets and new grilles to windows were installed and the whole of the walls, ceilings, floors, etc., were decorated.

The banking fixtures were removed from the old banking room (Room No. 255) and the room was renovated with new lighting, decorating and new floor covering, for a new office for the Director of Savings Offices.

Rooms No. 256-257: New floor covering, new lighting installed together with the removing of screen and complete decoration for the Main Office Staff.

Danforth and Fenwick, Toronto

Completion of the renovations to present banking fixtures for the installation of new posting machines.

Bay and Adelaide, Toronto

Banking room redecorated, new venetian blinds installed to banking room, new floor covering and curtains to Manager's Office.

St. Clair East, Toronto

Negotiations with Toronto Transportation Commission with regards expropriation of Savings Office for the new Rapid Transit System.

New floor covering supplied and laid to working space and Manager's office.

Danforth and Woodbine, Toronto

Inspection and reports and sketches prepared in connection with a proposed new site for Savings Office. New blinds and curtains supplied to Manager's office.

University and Dundas, Toronto

Detail plans and specifications prepared for the renovation to the present banking fixtures.

MISCELLANEOUS

Malton

Two buildings were purchased from War Assets Corporation to be used by The Workmen's Compensation Board.

BOILER INSPECTION

The boiler inspection work of this Department, as in previous years, was carried out under the supervision of the General Superintendent of Mechanical Services, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings, assisted by the Inspector of Mechanical Services.

The boilers, boiler plant and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and Reformatories, the reports as referred to, were sent to the Department of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these Departments were attended to by the Department of Public Works.

The recommendations contained in these reports regarding plants in all the other building groups referred to in this section were also attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Chief Architect.

Toronto, March 15th, 1950.

REPORT OF THE ENGINEER

Parliament Buildings,

Toronto 2, Ontario,

December 29th, 1949.

Mr. G. N. Williams,
Deputy Minister and Chief Architect,
Department of Public Works,
Parliament Buildings,
Toronto 2, Ontario.

RE: CIVIL ENGINEER'S REPORT, 1948-9
LOCKS, DOCKS, DAMS AND DRAINAGE

Dear Sir:

The Work performed under the supervision of the Department Civil Engineer during the fiscal year 1948-49 was as follows:

SUMMARY

The great majority of the work was done by day labour under the direction of local foremen and by employing local workmen wherever possible.

The regular maintenance of locks, docks, dams and navigable channels was carried out. Seven timber storage dams were rebuilt with timber; the rebuilding of the Huntsville Locks in concrete was continued; municipal drainage work was carried out in the unorganized Districts and aid granted to nine drainage schemes under the provisions of the Provincial Aid to Drainage Act.

DETAIL

(a) LOCKS, DOCKS, DAMS, ETC.

1. Port Carling, Muskoka District

Considerable repair work was carried out including the following: Severely decayed deck planking was removed and replaced with new material. The floating dock at the West end of the locks was raised and a new plank deck installed. The shelter at the North side of the locks was repaired and re-shingled. The old storehouse was rebuilt. A new Comfort Station was erected at the South side of the locks which already has proved to be a great convenience to the travelling public. The plank deck of the dam was renewed and one of the piers that had become partly undermined was repaired.

2. Port Sandfield, Muskoka District

The plank decking on the South side of the channel which was very severely decayed and dangerous for the public to use was removed and not replaced as there is apparently no further use for a dock on the South side. The steel swing bridge which had become severely corroded was cleaned and two coats of aluminum paint applied.

3. *Port Sidney, Muskoka District*

A new plank deck was installed and other necessary repairs carried out.

4. *Pickernel River Dam, Parry Sound District*

The earth dam to the West of the main dam was raised and strengthened to safeguard it against damage by high water, and some repairs to the main dam were carried out.

5. *South Tea Lake Dam, Nipissing District*

Earth fill was placed in front of the dam to stop leakage and the plank deck was renewed and some new stop logs provided.

6. *Ivanhoe Lake Dam, Sudbury District*

The timber dam constructed about 20 years ago was severely decayed, and in danger of being carried away by Spring floods. It was completely reconstructed in timber, with a roadway across the top made of 4-inch planks.

It is 245 feet long and 30 feet high, with 3 sluiceways each 15 feet wide and provided with stop logs for regulating the water level of Ivanhoe Lake. The dam creates a water route about 20 miles in length. It is very important for the Department of Lands and Forests as a landing area for aircraft bringing in equipment for use in forest fire fighting, and also for Summer tourist purposes.

7. *Moose Lake Dam, Parry Sound District*

The old timber dam which had become severely decayed and nearly all washed out by spring floods was rebuilt with timber. It is 65 feet long and 12 feet high with a sluiceway 10 feet wide provided with stop logs for regulation of the water level of Moose Lake, which is necessary for tourist and lumbering purposes.

8. *Turtle Lake Dam, Nipissing District*

A new timber dam was constructed to replace the old timber structure that had become severely decayed and partly carried away by the spring floods. The dam regulates the level of Turtle and Trout Lakes so that watercraft can navigate between them. It is 65 feet long and 5 feet high.

9. *Lake of Two Rivers Dam, Nipissing District*

The old timber dam which was severely decayed and partly destroyed by spring floods was reconstructed with new timber. It is 100 feet long and 8 feet high and has one sluiceway 16 feet wide, provided with stop logs so that the water level of Lake of Two Rivers can be regulated, to provide landing facilities for Department of Lands and Forests aircraft, and for tourist purposes.

10. *Distress Dam, East River, Muskoka District*

The old timber dam was repaired and made water-tight in order to conserve some of the spring flood waters for use during the dry season. The repair and restoration of this dam is the first of a dozen or more to be done on the East River and its tributaries in an effort to provide flood control and dry weather relief for the Muskoka Lakes into which the East River flows. The dam is 105 feet wide and 14 feet high with two sluiceways 16 and 10 feet wide respectively, provided with stop logs to control the water storage.

11. McBrine Dam, East River, Muskoka District

The old timber dam which had fallen into a very bad state of disrepair was reconstructed with new timber. The old dam had two sluiceways, but in the rebuilding only one was considered to be necessary and was made 16 feet wide and provided with stop logs for water storage control. The dam is 132 feet long and 10 feet high and has a long retaining wall on each wing, 175 feet and 50 feet long respectively.

12. Bear Creek Dam, East River, Parry Sound District

The old timber dam which was very severely decayed and useless for holding back water was replaced by a new timber structure. A sluiceway was provided with stop logs, so that the water can be stored and discharged into the East River when needed to replenish the waters of Muskoka Lakes.

13. White Lake Dam, Renfrew County

The dam across Waba Creek at the outlet of White Lake, Renfrew County was urgently in need of repairs in order to control the water used to operate saw mills on the Creek and to maintain a proper level on the lake for Tourist purposes. The repair work was undertaken by the local Mill owners under supervision of the Department Civil Engineer, and the Department undertook to pay for the materials used.

14. Fort Frances, Shore Protection

The Town of Fort Frances completed the work of rip-rapping the shore of Rainy River and also Sand Bay at Pither's Point Park, from the Duluth, Winnipeg and Pacific Railway Ranier Bridge to the Government wharf. It consisted of hand-laid broken stone embedded in the clay two feet below water level. The wall was faced with quarried rock for an average height of 3 feet, and backfilled with field rock and clay to a width of 12 feet, and surfaced with clay fill. The wall was deemed necessary to protect the shore from erosion caused by fluctuations of the water levels, storms and high winds. After inspecting and approving of the finished work, a 25% grant in the amount of \$11,494.33 was paid by the Department toward the cost.

(b) Municipal Drainage

The following grants were approved for Municipal Drainage work:

<i>Township</i>	<i>County or District</i>	<i>Amount</i>
Matchedash	Simcoe	\$ 300.00
Assignack	Manitoulin	400.00
Galway	Peterborough	200.00
Westmeath	Renfrew	300.00
Stafford	Renfrew	400.00
Cameron	Nipissing	300.00
Hinchinbrooke	Frontenac	300.00
Kennebec	Frontenac	300.00
Portland	Frontenac	400.00
Sunnidale	Simcoe	350.00
Sunnidale	Parry Sound	1000.00
Sunnidale	North Renfrew	1000.00
Lakefield Village	Peterborough	500.00

(c) Provincial Aid to Drainage

The following grants were made under the provisions of the Provincial Aid to Drainage Act:

Beauchamp Creek Drain, Township of Grey

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham.

The repairs consisted of deepening, widening and straightening the old drain from the boundary road between Grey and Elma Townships on Concession 16, Grey Township, westerly across Grey Township to the line between Lots 9 and 10, Concession 14, Grey Township. The total length of drain improved was 47,600 feet or a little over 9 miles. It was widened to a bottom width of 5 feet at the upper end and gradually widened to 18 feet at the lower end. The depth of cut averaged over 2 feet, and the side slopes were made 1 horizontal to 1 vertical.

The total cost of this work as certified to by the Treasurer of the Township of Grey was \$25,272.35, and on report, a grant of \$5,054.47 was paid to the Township of Grey in accordance with the Act.

Day Drain, Township of Howick

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. Fred Edgar, Civil Engineer, of Gorrie, Ontario.

The work consisted of deepening, widening and straightening the old drain and constructing some new ditch at the outlet into the Maitland River. Work started near the north limit of Concession 13 alongside the road between Lots 5 and 6, and continued south along this road across Concessions 13, 12 and 11, then south easterly across Lot 6, Concession 10, to the line between Lot 6 and 7, then south along this line across Concessions 10, 9 and part of Concession 8, then westerly across Lots 6 and 5 in Concession 8 to the Maitland River where it has its outlet. The total length of the drain is 21,146 feet, or a little over 4 miles. It was widened to a bottom width of 3 feet at the upper end and gradually widened to 6 feet at the lower end. The depth of cut averaged about 3 feet and the side slopes were made 1 horizontal to 1 vertical. Two new culverts were put in, and a wooden bridge was moved in order to straighten the drain.

The total cost of the work was \$10,626.13 and on report, a grant of \$2,125.23 was paid to the Township of Howick in accordance with the Act.

McCargon Drain, Township of Howard

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. William D. Colby, Civil Engineer, of Chatham.

The repairs consisted of cleaning out the old drain by deepening, widening and straightening it for a distance of 35,900 feet or nearly 7 miles. Work started at the road between Concessions 5 and 6 on Lot 16 and continued in a westerly direction to the line between Lots 4 and 5 of the Front Concession. The depth of cut averaged about 2 feet, and the side slopes were made 1 to 1. It was widened to a bottom width of 3 feet at the upper end and gradually widened to 10 feet at the lower end. There was a quantity of rubbish and trees to remove from the drain. The final cost of this work, as certified to by the Treasurer of Howard Township, was \$11,292.63, and on report, a grant of \$2,258.53 was paid to the Township of Howard in accordance with the Act.

Number 47 Drain, Gosfield South Township

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. C. G. R. Armstrong, Civil Engineer, of Windsor, Ontario.

The repairs consisted of deepening and widening the old drain for a distance of 14,400 feet or about $2\frac{3}{4}$ miles. Work was started at the boundary between Gosfield South and Gosfield North Townships and continued south along the road between Lots 6 and 7 across Concessions 5, 4, 3 and 1,000 feet across Concession 2, Gosfield South. It was widened to a bottom width of 9 feet at the upper end for a distance of 4,400 feet and 10 feet for the remaining 10,000 feet. The depth of cut averaged about 18 inches and the side slopes were made $1\frac{1}{4}$ horizontal to 1 vertical.

The total cost of the work was \$10,811.40, and on report, a grant of \$2,162.28 was paid to the Township of Gosfield South in accordance with the Act.

Tremblay Creek Drain, Township of Tilbury North

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. C. G. R. Armstrong, Civil Engineer, of Windsor.

The repairs consisted of deepening, widening and straightening the old drain from its outlet into Big Creek at the line between Lots 19 and 20, Concession 1, Tilbury North, upstream across Concessions 1, 2, 3, 4, 5 and 6 to the boundary line between Tilbury North and Tilbury East Townships, a total distance of 34,925 feet or nearly $6\frac{5}{8}$ miles. The banks along the lower half of the drain had settled so that during floods the water in the drain overflowed its banks and flooded the land. These banks were built up for a distance of 14,400 feet to prevent this overflow. A number of pipes were installed in these banks to provide drainage from the land and these were provided with calco valves to prevent the water flowing from the drain onto the land during floods. The drain was widened to a bottom width of 10 feet at the upper end, gradually widening to 21 feet at the lower end. The side slopes were made 1 to 1, and the depth of cut averaged about 18 inches.

The total cost of the work was \$23,585.16 and on report, a grant of \$4,717.03 was paid to the Township of Tilbury North in accordance with the Act.

Black Creek Drain, Township of Winchester

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. W. H. Magwood, Civil Engineer, of Cornwall.

The repairs consisted of cleaning out the old creek bed by deepening, widening and straightening it from the line between Lots 9 and 10, Concession 6, to its outlet into the Castore River on Lot 14, Concession 12, a total distance of 7.2 miles. The depth of cut averaged about 3 feet, and the side slopes were made $1\frac{1}{4}$ horizontal to 1 vertical. It was widened to a bottom width of 3 feet at the upper end, gradually increasing to 7 feet at the lower end.

The total cost of the work was \$13,314.42, and on report, a grant of \$2,662.88 was paid to the Township of Winchester in accordance with the Act.

Gilkinson-Peffers Drain, Township of Elma

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. R. W. Code, Civil Engineer, of London, Ontario.

The repairs consisted of cleaning out the old drain by deepening and widening it from the boundary road between the Townships of Elma and Mornington on Lot 36, Concession 6, Elma Township, in a south-westerly direction across Elma Township to its outlet into the Boyle Drain on Lot 20, Concession 14, Elma Township, a total distance of 44,298 feet, or about $8\frac{1}{2}$ miles. It was widened to a bottom width of 5 feet at the upper end and gradually to 7 feet at the lower end. The depth of cut averaged about 2 feet, and the side slopes were made 1 horizontal to 1 vertical.

The cost of the work was \$10,461.25, and on report, a grant of \$2,092.25 was paid to the Township of Elma in accordance with the Act.

Fansher Creek Drain, Euphemia Township

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. G. A. McCubbin, Civil Engineer, of Chatham.

The repairs consisted of widening, deepening and straightening the old creek bed from the townline road between Euphemia and Mosa Townships on Lot 19, Euphemia Township, westerly across the Township of Euphemia to the road between Concession 1 and 2 on Lot 16, a total distance of 50,200 feet, or a little over $9\frac{1}{2}$ miles. It was widened to a bottom width of 5 feet at the upper end and gradually widened to 12 feet at the lower end. The depth of cut averaged 2 feet for the upper half of the drain and about 6 inches for the lower half. The side slopes were 1 horizontal to 1 vertical.

The cost of the work was \$13,571.20 and on report, a grant of \$2,714.24 was paid to the Township of Euphemia in accordance with the Act.

Hallahan-Caldwell Drain, Township of East Wawanosh.

The Drain was repaired in accordance with the report, plans and specifications prepared by Mr. F. A. Edgar, Civil Engineer, of Gorrie, Ontario.

The work consisted of deepening, widening and straightening the two trunk channels. Work on the Hallahan channel started at the blind line on Lot 41 near the line between Concessions 5 and 6 and continued westerly along this line to the blind line on Lot 39, then southwesterly to the blind line on Lot 38, Concession 4, a total distance of 12,500 feet or about $2\frac{3}{8}$ miles. It was widened to a bottom width of 3 feet and the depth of cut averaged about 2 feet. The Caldwell channel started at the boundary road between East Wawanosh and Morris Townships on Concession 3, and ran northwesterly to Lot 39, Concession 4, East Wawanosh Township, where it empties into the Hallahan channel. It has a total length of 10,969 feet or a little over 2 miles. It was widened to a bottom width of 3 feet and the depth of cut averaged about $4\frac{1}{2}$ feet. The side slopes were made 1 to 1 in both channels.

The total cost of the work was \$12,334.22, and on report, a grant of \$2,466.84 was made to the Township of East Wawanosh, in accordance with the Act.

(d) *Lockages*

The following number of watercraft were locked through as follows:

	Steamers	Small Boats	Scows	Rafts	Total
Port Carling	1148	2065	230	42	3845
Huntsville	(Locks undergoing repairs)				
Magnetewan		8			8

Respectfully submitted,

W. L. RICE,

Civil Engineer

STATEMENTS

OF THE

ACCOUNTANT

OF

Public Works Department

1948 - 1949

Department of Public Works, Ontario,

TORONTO, March 31st, 1949.

The Honourable George H. Doucett, M.P.P.,

Minister of Public Works:

Sir:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Government Buildings and Public Works, during the fiscal year which ended on 31st of March, 1949.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,

Secretary and Accountant.

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1st, 1948 to MARCH 31st, 1949

Service	Ordinary	Capital	Total
Main Office—Administration Expenses, etc.\$	230,904.73		230,904.73
Maintenance and Repairs—Government Bldgs.	1,957,564.72		1,957,564.72
Public Works — Maintenance	44,217.77		44,217.77
Public Buildings		5,381,624.72	5,381,624.72
Public Works		44,707.22	44,707.22
Miscellaneous	19,469.72	96,796.59	116,266.31
Statutory — Drainage Aid	26,253.75		26,253.75
Special Warrant — Cost-of-Living Bonus	42,175.81		42,175.81
TOTAL NET EXPENDITURE	\$ 2,320,586.50	5,523,128.53	7,843,715.03

STATEMENT OF REVENUE

Commissions on Telegraphs and Telephones...\$	6,767.18		6,767.18
Sale of Materials	3,379.58		3,379.58
Rentals	32,927.75		32,927.75
Perquisites	1,272.50		1,272.50
Building Equipment	419.80		419.80
Miscellaneous	475.96		475.96
Sale of Property		12,000.00	12,000.00
Contribution by The National Research Council, through University of Western Ontario, London, towards construction of Poultry House for research work at Ontario Agricultural College, Guelph		1,000.00	1,000.00
Contract Security Deposits		32,630.56	32,630.56
\$	45,242.77	45,630.56	90,873.33

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE
REPAIRS AND CONSTRUCTION OF PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st, 1949

ORDINARY

Service:	Amount	Amount
MAIN OFFICE:		
Salaries	\$ 176,746.50	
Travelling Expenses	10,409.43	
Maintenance	19,695.76	
Insurance	22.00	
Local Improvement Taxes	917.55	
Unforeseen and Unprovided	47.00	
Compensation—Medical, etc. for Injured Workmen	11,850.96	
Unemployment Insurance Stamps	11,215.53	
		230,904.73
GENERAL SUPERINTENDENCE:		
Salaries	\$ 48,406.62	
Services, Travelling and Other Expenses	15,109.63	
		63,516.25
LIEUTENANT-GOVERNOR'S APARTMENT:		
Salaries	\$ 3,844.88	
Maintenance	1,486.59	
		5,331.47

LEGISLATIVE AND DEPARTMENTAL BUILDINGS:

Administrative Services:

	Amount	Amount
Salaries	\$ 40,497.78	
Telephone Service	66,308.45	
Typewriter Inspection and Repairs for All Depts.....	15,044.93	

Maintenance Staff:

Salaries —Permanent	\$ 172,040.63	
Temporary	128,429.23	
Casual	88,842.05	
		389,311.91

Maintenance:

Fuel, Light, Gas, Water and Power	\$ 152,619.31	
Cleaning Supplies, Upkeep of Grounds	39,422.91	
Furniture, Furnishings and Equipment for Buildings	7,895.94	
		199,938.16

Repairs to Buildings:

Salaries — Mechanical Staff	125,213.68	
Repairs and Alterations	242,820.99	368,034.67
		1,079,135.90

Deduct Rentals	3,000.00	1,076,135.90
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OSGOODE HALL:

Salaries —Permanent	\$ 24,959.43	
Temporary	11,881.19	
Casual	5,891.16	
		42,731.78

Maintenance:

Fuel, Light, Water and Power	6,400.98	
Furniture, Furnishings and Equipment	24.60	
Telephone Service	3,210.55	
Cleaning of Buildings and Incidentals	1,325.12	
General Repairs and Alterations	14,301.27	
	25,262.52	67,994.30

GOVERNMENT BUILDINGS:

Repairs, Alterations and Incidentals — For Departments of:

Attorney General	\$ 136,977.79	
Agriculture	67,918.93	
Education	118,772.65	
Health	179,313.97	
Lands and Forests	18,852.08	
Reform Institutions	115,622.17	
Travel and Publicity	868.46	638,326.05
		638,326.05

ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS:

Maintenance:

<i>Service:</i>	<i>Amount</i>	<i>Amount</i>
Salaries of Caretakers, Cleaning, Supplies, Fuel, Electricity, Water, Repairs to Buildings and incidentals—		
Kingston	\$ 8,531.63	
London	2,055.35	
Matheson	76.90	
New Liskeard	5,966.19	
Swastika	3,295.47	
		19,925.54

General:

Rental and caretaking of Leased Premises and Expenses in connection therewith	86,335.21	106,260.75
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PUBLIC WORKS:

Maintenance:

Salaries: Lockmasters, Supervising Foreman, etc.....\$	7,025.26	
Repairs to Locks, Dams, etc.	34,649.85	
Equipment	273.55	
Maintenance of Hawkesbury-Grenville Bridge	2,269.11	
		44,217.77

MISCELLANEOUS:

Preparing and installing exhibits for Government Departments, including costs of electric services and other expenses in connection therewith.....	19,469.72	19,469.72
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STATUTORY: DRAINAGE AID—

Townships of

Elma	\$ 2,092.25	
Euphemia	2,714.24	
Grey	5,054.47	
Gosfield South	2,162.28	
Howard	2,258.53	
Howick	2,125.23	
Tilbury North	4,717.03	
Wawanosh East	2,466.84	
Winchester	2,662.88	
		26,253.75

SPECIAL WARRANT:

Cost-of-Living Bonus	42,175.81	42,175.81
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TOTAL ORDINARY EXPENDITURE \$ 2,320,586.50

CAPITAL

<i>Service:</i>	<i>Amount</i>	<i>Amount</i>
PUBLIC BUILDINGS:		
To provide for the construction of new buildings and works, purchase of lands and buildings, including additions, alterations, equipment and extension of services to existing buildings and works and the purchase of construction plant and equipment and expenses in connection therewith	\$ 5,381,624.72	5,381,624.72
PUBLIC WORKS:		
Municipal Drainage, including Grants in aid thereof...	7,428.33	
Storage Dams and Docks	37,278.89	
		44,707.22
MISCELLANEOUS:		
Grant towards the cost of flood and drainage scheme known as the Nolin's and Junction Creek Drainage Works in the City of Sudbury	6,791.91	
Grant — Grand River Conservation Commission — Grant of 37½% towards the cost of surveys and preparation of plans and further development of works of the Grand River Conservation Commission	4,385.41	
Grants — Conservation Authorities — To provide for grants to Conservation Authorities, in aid of construction projects as may be approved by the Lieutenant-Governor in Council, in accordance with the Conservation Authorities Act, 1946 (Section 38)	37,149.03	
Aid — Dredging — Muskoka Lakes — Grant to the Government of Canada of 50% of the cost of dredging in the Muskoka Lakes District	48,470.24	
		96,796.59
TOTAL CAPITAL EXPENDITURE		\$ 5,523,128.53

SUMMARY

ORDINARY EXPENDITURE:

Main Office and Maintenance and Repairs of Government Buildings and Public Works	\$ 2,320,586.50
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CAPITAL EXPENDITURE:

Public Buildings and Public Works	5,523,128.53
	<u>\$ 7,843,715.03</u>

TORONTO, March 31st, 1949.

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Report

of the

Minister of Public Works

for the

Province of Ontario

for the

(2)

Twelve Months Ending March 31st, 1951

1950/51

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE
QUEEN'S MOST EXCELLENT MAJESTY, 1952.

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Report

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SESSIONAL PAPER No. 19 — 1952.



ONTARIO

TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE
QUEEN'S MOST EXCELLENT MAJESTY, 1952.

TO:

The Honourable Louis O. Breithaupt,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the reports of the Deputy Minister, Chief Architect, Engineer, Secretary and Accountant for the twelve months ending the 31st of March, 1951.

Respectfully submitted,

F. S. THOMAS,
Minister of Public Works.

Department of Public Works, Ontario.
Toronto, March 3, 1952.

REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

THE HONOURABLE GEORGE H. DOUCETT, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying report of the Chief Architect, Engineer, Secretary and Accountant for the financial year April 1, 1950 to March 31, 1951.

Chief Architect's Report

The volume of construction work carried out during this fiscal year has continued to increase over the previous fiscal year despite difficulties occasioned by the Dominion Government's restrictions on the use of steel occasioned by the heavy defence programme.

A number of projects under construction in the past year have been brought to completion, including the Rideau Industrial Farm at Burritt's Rapids and the Ontario Hospital at Aurora. A nine hundred bed Pavilion Wing together with the necessary subsidiary buildings and services has been completed and occupied at the Ontario Hospital at Smiths Falls, and work has started on the construction of a four hundred and sixty bed hospital at Port Arthur and additions to provide six hundred beds at Brockville.

The Architect's report deals fully with the progress of the new construction projects and with the fireproofing, alterations and maintenance of all Public Buildings under the control of this Department.

Engineer's Report

Reconstruction of eleven dams has been completed, major repairs were effected on an additional eleven dams, and general repairs to locks and dams in Northern Districts have been carried out where required.

Grants were paid in accordance with The Provincial Aid to Drainage Act, in aid of fifty-seven drainage schemes, a marked increase over the twenty-three in the previous fiscal year.

Secretary and Accountant's Report

The following figures show the increased volume of construction work accomplished this year:

EXPENDITURES

<i>Fiscal Year</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
1950 - 1951.....	3,447,268.13	8,971,158.19	12,418,426.32
1949 - 1950.....	3,032,013.73	6,921,392.01	9,953,405.74
Increase.....	415,254.40	2,049,766.18	2,465,020.58
Percent Increase.....	13.633%	29.615%	24.766%

I have the honour to be, Sir,

Your obedient servant,

G. N. WILLIAMS,

Deputy Minister of Public Works and Chief Architect.

TORONTO, March 31, 1951.

REPORT OF THE CHIEF ARCHITECT

To:
The Honourable George H. Doucett, M.P.P.,
Minister of Public Works.

Sir:
I have the honour to report on the work done by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1950 to March 31st, 1951, as follows:

Fire Protection

A programme for the removal of fire hazards throughout all Government buildings was initiated two years ago. Inspections were made by the Ontario Fire Marshal's Office and reports submitted listing existing conditions and hazards, and recommendations for their removal, relative to the Ontario Hospitals of the Province, the Ontario Agricultural College and the Ontario Veterinary College at Guelph, the Agricultural School at Kemptville, the Ontario School for the Deaf at Belleville, and innumerable subsidiary buildings. The Department of Public Works has purchased large quantities of new fire extinguishing equipment and is carrying out the structural changes recommended by the Fire Marshal as quickly as plans can be prepared and the materials purchased for the work.

Legislative and Departmental Buildings

Parliament Buildings, Main Building and North Wing

The programme conducted by the Department of Public Works to eliminate existing fire hazards and the reconstruction of the East Wing and Main Centre Block in fire-resisting materials, which was described fully in our previous year's Report, has been continued. Through the Fire Prevention Officer a constant check is kept on all fire-fighting equipment and hazards in the nature of accumulated wastes and the blocking of passages. In this manner the stringent safety regulations enacted in the previous year are continually enforced.

In addition to the above, a Fire Alarm system serving the main building and the north wing has been completely renovated, and, where necessary, extended.

Construction of a Fire Tower Stairway and Elevator Shaft adjacent to the Grand Staircase, which was started in the previous year has now been completed. This provides two modern fully-enclosed elevators and a fully enclosed fire exit stairway serving all four floors and the basement, and replaces the former open cage-type elevators. Safe exit facilities from all four floors and the basement have been thus provided. This Fire Tower, in conjunction with the Fire Tower serving the north end of the East Wing which was completed the previous year, has to a great extent eliminated the danger of occupants being trapped by fire on the upper floors and attic regions of the East Wing. A third

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Fire Tower complete with new elevator installations is presently being planned to serve the East Wing at the East Entrance.

A continuous programme of renovation is being conducted by all trades to maintain the building and contents in a good state of repair. The work of pointing exterior stone work has been continued, satisfactory progress having been made. Roofing and sheet metal repairs have been made to the roof of the passage between the Grand Staircase and the Library. Extensive repairs were made to the concrete sidewalks on the east side of the Main Building, and where necessary, sections were replaced. Paintings of ten Premiers and the Mural of the Fathers of Confederation have been cleaned and renovated and provided with suitable picture lighting. The Members' Lavatory and the Men's Lavatory in Room 364 have been completely renovated, including new plumbing and plastering.

Extensive preliminary work has been conducted to prepare the electrical system and equipment in the Main Building and East Wing for the anticipated changeover from twenty-five to sixty cycles.

Lawns, trees, shrubs, flower beds, were maintained in their usual beautiful condition, and a pleasing display provided for every phase of the growing season.

East Block

As in the Main Building, general repairs were made by all trades to maintain the building and contents in a good state of repair.

The former Laboratory Rooms on the third, fourth, fifth and sixth floors left vacant by the Laboratory Division of the Department of Health when they occupied their new quarters in the Pavilion Building of the Christie Street Hospital group have been completely renovated to provide additional and much needed office space, and have now been occupied by other Departments in the building. In addition, the seventh floor is being remodelled to accommodate a new Automatic Telephone Switchboard and operating equipment which will be installed in the coming year.

A progressive programme to replace existing Incandescent lighting with adequate Fluorescent lighting has been continued, and an Electronic Smoke Elimination Unit has been installed in the Boiler Plant.

The buildings at 1200 Sheppard Avenue, formerly part of the DeHaviland Aircraft Plant, purchased from the Dominion Government in 1947, have been kept in repair and altered or remodelled as required to suit the needs of the Departments having space in these buildings. In addition, a seventh building described elsewhere in this Report has been constructed for the use of Department of Planning and Development.

In the area allotted to Department of Public Works has been provided a Central Store and Workshop. Materials surplus or salvaged from work projects conducted by this Department are generally stored at this location and distributed from here to new work projects in the Toronto area as the need arises. Considerable work in the manufacture of equipment, furniture and furnishings for Departmental Offices is also conducted in the Workshop.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

Because of the varied occupations of the three Departments occupying these buildings, considerable alteration and maintenance work is necessary. The following is partial list of miscellaneous projects conducted in the past year:

1. To alleviate serious drop in water pressure occurring under peak-load conditions and caused by a low capacity of existing watermain, preparations have been made to lay a new 8" cast iron watermain. This work will be conducted jointly by the Department of National Defence and Province of Ontario.
2. To provide an emergency system whereby water might be stored for use during low-pressure periods and pending the execution of the above work, a twelve thousand Imperial Gallon wood-stave Storage Tank and a one hundred Imperial Gallon per minute Booster Pump were installed.
3. Installation of Washrooms, Pumping Well and Sewage Disposal Line to serve Buildings D and F and connecting with the present Sewage Disposal System.
4. Purchase and installation of Fire Protection Equipment for all buildings.
5. Construction of three wooden Fire Escapes, moving of the Welding Shop, and miscellaneous work to remove existing fire hazards.
6. Alterations to provide a new Laboratory Preparation Room for Department of Highways.
7. Installation of a Floor Drain, a Ventilating System, and an Exhaust from a Steam Jenny to improve facilities of Division 6 Garage of Department of Highways.
8. Installation of three Window Exhaust Fans to improve the ventilation in the Department of Highways Draughting Room.
9. Installation of Ventilating Fans in the Blueprint and Copying Rooms.
10. Provision of a Dark Room for the Aerial Surveys Branch of Department of Lands and Forests, to replace inadequate quarters in the East Block. This room permits installation of an oversized Enlarger, the use of which was impossible in the previous quarters.
11. Remodelling of a section of Building A, vacated by the Ontario Hydro Electric Power Commission to provide additional office accommodation for Department of Highways.
12. Provision of a new Entrance Hall connecting Department of Highways Instrument Shop with the Main Corridor, thus eliminating traffic through Department of Highways Central Stores.
13. A general programme of renovation to the buildings, including painting and repairs or replacement of deteriorated wood window sash and frames.

Leaside - 1075 Millwood Road

Some further alterations have been made to better adapt this building to the special requirements of the Board of Film Censors.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Toronto - 206-216 Huron Street

A number of minor alterations, improvements and repairs were made in this group of buildings. Walls were cleaned and half-glass partition constructed to divide Office No. 301. A barrier with centre gate was erected in Office No. 406. Shelves were erected in Office No. 321 and numerous other items in the nature of erecting shelves and cupboards and repairs to roofs, etc., were conducted throughout.

291-295 Sherbourne Street

These buildings were originally purchased to provide a Reception Centre for new Immigrants. In 1950 upon completion of the immigration scheme the buildings were remodelled to provide a Training School for the Ontario Provincial Police.

67 College Street - (Old Sick Children's Hospital)

Owing to Federal Government restrictions on the use of steel for new office buildings, Provincial plans for a proposed new Treasury Building for Queens Park were deferred and the urgently needed temporary office space acquired elsewhere. For this reason the old Sick Children's Hospital building was purchased and with the moving of the Hospital to its new building on University Avenue, an extensive remodelling programme was undertaken to convert the structure to an Office Building. The purpose of this conversion is primarily to relieve the overcrowded conditions existing in the Parliament Buildings. However, in addition, provision will be made for an Out-Patients' Clinic to serve the Toronto Psychiatric Hospital and a Blood Donors' Clinic for the Canadian Red Cross Society.

454 University Avenue

In the Liquor Control Board Office Building a new waste pipe was installed behind a tile wall in a fourth-floor lavatory, and a number of miscellaneous repairs were made.

Queen's Quay

The Machine Shop in the Ontario Provincial Police Garage was enlarged by removing existing partitions, re-erecting them in a new location, and constructing additional partitions to form a new enclosure. A number of miscellaneous repairs were also made.

807 Richmond Street West

The roof on the Department of Health sewage Laboratory was repaired.

Fleet and Harbour Streets

Plans and specifications have been completed and work started on construction of a new Office Building for the Workmen's Compensation Board.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

Contracts have been awarded for the general and mechanical trades, the pile work has been completed, and concrete foundation walls and beams are nearing completion. Due to the existing shortages of structural steel it is expected that work on the super-structure will be delayed until the Spring of 1952.

Queen and York Streets

A site was purchased at the corner of Queen and York Streets, Toronto, for the erection of a new Office Building to provide an Annex to Osgoode Hall. Plans for the building have been completed but construction has been delayed due to Dominion Government Regulations restricting the use of steel. An additional site was purchased fronting on Queen Street and University Avenue for future extensions when required.

Osgoode Hall

A complete renovation has been made to the electrical system serving the Osgoode Hall Buildings. This work consisted primarily of thoroughly checking all circuits and rewiring them to eliminate overloading conditions. The control panel was remodelled and extended to provide for the additional circuits and numerous lighting fixtures were replaced with modern Incandescent or Fluorescent fixtures in accordance with their respective locations. The work of replacing lighting fixtures will be progressive.

A system of conduits and pullboxes has been installed to accommodate the Bell Telephone Company's feeder lines serving the new Judges' Chambers described in last year's Report. In addition, a new buzzer system was installed by staff Electricians.

The Caretaker's Residence, located at the northwest corner of the grounds, has been entirely renovated to provide a modern attractive residence. The work included the remodelling of the bathroom and plumbing, renovation of the heating system, laying of new linoleum floor covering and complete re-decorating and interior and exterior painting.

The exterior of the Main Building was painted and as part of this work the putty in many of the wood window sash which was deteriorating was removed and replaced.

Numerous repairs and renovations and minor alterations were conducted including the construction of partitions in the Official Guardian's Office and general repairs to plumbing and roofs.

Leased Premises

In the following buildings, the extent of the work carried out varied in accordance with the terms of the respective leases, but generally consisted of minor alterations and re-arrangement of interior partitions and furnishings to better utilize the space available:

Farm Loans Branch, Treasury Department, 800 Bay Street, Toronto.

Women's Institute Branch, Dept. of Agriculture, 1207 Bay Street, Toronto.

Gas Tax Division, Dept. of Highways, 32 Front Street, Toronto.

Ontario Racing Commission, Treasury Department, 73 Yonge Street, Toronto.

For The
Department of the Attorney General

ONTARIO PROVINCIAL POLICE BUILDINGS

Bancroft

The old Red Cross Hospital left vacant by the construction of a new Hospital and purchased by Department of Public Works the previous year, is being remodelled for use as a Provincial Police Detachment Office and is now nearing completion. Work consisted of the renovation of the existing building and construction of a brick addition. The new addition contains a cell block providing two male and one female cells, and a double garage for Police vehicles. The existing building has been renovated to provide a Magistrate's Office and Hearing Room, Detachment Office and Radio Room, with living quarters on the second floor consisting of a kitchen, dining room and two bedrooms, while a livingroom and sun deck have been provided over the cell block contained in the new addition. The basement area has been completed to provide washrooms and furnace room containing a newly installed hot water boiler.

With the provision of some hardware and landscaping of the grounds this project will have been completed.

The Magistrate's Hearing Room has been equipped with birch furniture in a natural finish constructed by Department of Public Works' tradesmen.

Bracebridge

Electric wiring in the Ontario Provincial Police Lock-up and Constable's Quarters was checked and extended. A new eight-circuit panel was installed, the internal wiring rearranged into its proper circuits and connected, and a one-hundred-ampere supply service provided to feed the new panel.

Englehart

Additional living quarters have been provided at this location. Work consisted of the construction of a new addition, general remodelling of the existing building, and decorating. A thirty-eight foot flagpole erected was manufactured from pipe salvaged from war-time buildings dismantled at Monteith.

Foleyet

Renovations to the Ontario Provincial Police Lock-up, retarded by extensive frost as described in the previous year's Report, have been continued as weather permitted, and brought substantially to completion. A Septic Tank was installed with disposal field utilizing one-hundred and twenty-five feet of tile supplied from stores in Monteith. The plumbing generally was overhauled. A new Lavatory was installed and bath and kitchen sink traps replaced. A hot-water storage tank complete with check and pressure release valves was installed and connected to the kitchen range water front and to the bath, lavatory and kitchen sink. The closet tank in the cell block was replaced, as the old one was

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

beyond economical repair. Floor joists were raised and extra supports provided to permit proper closing of the steel door between cells and constable's quarters.

Gogama

Extending facilities previously provided in the remodelling and extension of this building, the existing furnace was fitted with an oil burner complete with necessary controls and supply tank. A new cesspool with tile disposal bed was installed.

Hearst

A four-inch backwater valve was purchased and installed in the outlet sewer line from the basement of the Ontario Provincial Police Lock-up and Constable's Quarters.

North Bay

A Provincial Police building has been purchased and renovated to provide Offices and Constable's Quarters to serve this area. The work consisted of stripping the interior and reconstructing partitions to provide offices on the first floor, and living quarters on the second. The entire interior of the building was plastered, new plywood floors laid and covered with suitable linoleum, wiring circuits checked and extended as required, and new lighting fixtures installed throughout. The plumbing was generally overhauled and new fixtures provided where necessary. The heating system was checked and extended to suit the new layout, an Oil Burner installed in the existing boiler and the boiler and all pipes insulated. To complete the interior renovation the attic was insulated and the entire building decorated.

On the exterior, brick walls were pointed and painted one coat, and all outside woodwork was painted. A new roof was installed, a storm porch constructed to protect the rear entrance, and the flagpole repaired and painted.

Toronto, Queen's Quay

A contract was let for the paving of the Courtyard of the Ontario Provincial Police Garage, and the work carried to completion.

Temagami

An Oil Burner was purchased and installed to serve the Provincial Police Lock-up and Constable's Quarters. The Septic Tank and disposal field were cleaned and repaired.

Timmins

A new Radio Station has been completed at this location to provide the fourteenth in the 240-W Radio Network. The Station is similar in design to those described in the previous year's Report, and consists of a fireproof and damp-proof equipment building containing a Transmitter, Receiver and Automatic gasoline-driven Auxiliary Generator, a Radio Tower and Remote Control connections over leased land lines. The property, building, fencing, driveways and

DEPARTMENT OF THE ATTORNEY GENERAL

landscaping are provided by Department of Public Works, and the Tower and equipment provided by Department of the Attorney General.

New Construction

Designed to serve the hitherto remote northern sections of the Province a new series of Ontario Provincial Police Stations have been constructed, and are now in operation. The extension of the effectiveness of Ontario Law Enforcement Branch and the security that is thus provided to the residents of the areas are of course obvious and need no further explanation.

Plans for the units resulted from a survey of the requirements of a Police Post in these remote areas and have been used as a stock design with only slight modification in seven of the eight locations. Basically they consist of fire-resisting cell block and Police Office, Magistrate's Hearing Room and Constable's Residence of frame construction.

The cell block is broken into two components, each having two cells equipped with a cot, lavatory and water closet. A corridor connects the incarceration units with an adjacent shower. Corridors from the two units or male and female sections open on to the Police Office, a large room floored with mastic tile and conveniently separated by a low partition formed by built-in cupboards and counter.

Adjacent to the office is the public Washroom and Stair Hall leading to a large Magistrate's Hearing Room located on the basement floor below the living quarters. This floor also contains a large boiler room with a boiler to supply the Heating units, a Coal Bin with capacity of approximately twenty tons, and a Laundry fitted with all necessary set tubs and water services and drains.

On the main floor is the Constable's Living Quarters consisting of a Livingroom, Diningroom, Kitchen, Central Hall leading to the Residence entrance, an attractive well-planned Bathroom, and three comfortable Bedrooms.

The exterior of the building with the exception of the brick Cell Block is finished with white asbestos siding attractively finished with an asphalt shingled cottage-type roof and batten window shutters in contrasting colour.

Exterior services such as a well, water-pumping system, sewage disposal system, suitable landscaping and driveways are also provided.

Buildings of the above description have been provided and are now in operation in the following locations:

Armstrong,
Atikokan
Geraldton,
Hornepayne,
Nakina,
Nipigon, and
Pickle Lake.

In addition to the above, at Atikokan an existing Residence was remodelled and finished to match the new Police building to provide additional Police living quarters. This unit provides for three bedrooms, a livingroom and small kitchen.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

An exception to the above description is the new Provincial Police Post located at Beardmore. At this location a former school building was purchased, remodelled and extended. It is a two-storey structure of concrete on the first floor and frame construction on the second. The main floor contains the General Police Offices, three male cells, and one female cell, Magistrate's Hearing Room with adjacent public lavatories, and the necessary utility rooms for the hot water boiler and fuel storage. On the second floor of the structure is located the Constable's quarters. These consist of a livingroom, kitchen, three bedrooms, bathroom, and a laundry. As the second storey covers only approximately half the area of the building, a flat verandah deck has been provided over the built-up roof of the cell block.

DISTRICT BUILDINGS

Algoma

Sault Ste. Marie.

The front steps of the Courthouse and Registry Office Building, which were in a deteriorated condition, were removed and reconstructed. The exterior of the building was painted and a number of miscellaneous repairs made.

Cochrane

Cochrane.

At the District Courthouse new concrete steps and walkways have been constructed to replace the old broken walks, which were in a dangerous condition. A number of repairs were conducted including renovations to the heating system and repairs to the roof.

Matheson

Miscellaneous repairs made to the Police Building included repairs to the roof, plumbing, electrical system and the coal bin.

Kenora

Kenora.

Renovation of the District Courthouse, which has been in progress over a number of years, is now complete. This work included the provision of new washrooms for the Judges, Magistrate and general public. The Courtroom ceiling was refinished with accoustic material, extensive areas of plaster were removed and resurfaced and the roof and sheetmetal work replaced. Rising waters of the Lake of the Woods have in the past year flooded the septic tank and disposal field of the Caretaker's Residence adjacent to the Courthouse, making this disposal system ineffective. To overcome this difficulty a new septic tank was installed and the sewage well equipped with a force pump provided to drive the treated effluent through a force main to connect with an ample capacity disposal field recently provided on higher ground to serve the Courthouse. This system is now working satisfactorily.

Nipissing

North Bay.

A new fire escape was installed to serve the District Courthouse and the exterior brick walls were repaired and pointed as necessary. An aquestat

DEPARTMENT OF THE ATTORNEY GENERAL

was installed on the boiler and storm sash and a door provided for Department of Lands and Forests Office located on the third floor.

Parry Sound

Parry Sound.

Renovation of the Courthouse has been continued to completion. The main entrance has been reconstructed, utilizing the existing recessed entrance. Work consisted of the construction of new concrete steps, new entrance doors, and vestibule doors, and plastering the interior of the Entrance Hall. In the main Courtroom new public benches of birch finished in walnut were provided. Two existing standpipes were equipped with fifty feet of 1½" fire hose. Work is now progressing on the complete interior and exterior painting of the Courthouse and Registry Office.

Rainy River

Fort Frances.

Plans have been prepared and work started on the complete renovation of the Courthouse. Numerous other repairs have been made to maintain the building in good order.

Sudbury

Sudbury.

Repairs were carried out to the vestibule doors of the main Courthouse Entrance. Four new clothes lockers were provided and installed in the Barristers' Room.

Thunder Bay

Port Arthur.

Partitions were installed in the Courthouse to provide office space for the Ontario Provincial Police. Repairs were made to the roof of the Registry Office and the building painted. Miscellaneous minor repairs were conducted as necessary.

Fort William.

A new bonded tar and gravel roof was laid on, and miscellaneous repairs made to the Registry Office.

Temiskaming

Haileybury.

Plans were prepared and quotations obtained for proposed alterations to the Courthouse heating system. An existing coal truck was rebuilt.

Muskoka

Bracebridge.

The renovation programme which has been underway at this Courthouse for the past two years has now been completed. This work included construction of two fire tower stairways, a Magistrate's Room, vault, and two public lavatories. The Court Room was entirely remodelled, including provision of new furniture. The building generally was rewired, replastered, and redecorated, a new boiler and stoker installed, and considerable landscaping work done, including the construction of new sidewalks.

For The DEPARTMENT OF AGRICULTURE

Ontario Agricultural College, Guelph

At the Ontario Agricultural College an extensive program of expansion, started in 1947, is rapidly nearing completion, and a new program, designed to protect the student body and the University Buildings against the hazard of fire has been started. A survey made by the Ontario Fire Marshal resulted in a comprehensive report on the hazards existing in many buildings. Immediate action in the nature of providing firefighting equipment and the removal of obstacles has been undertaken. Numerous structural changes in the various buildings, consisting of provision of more adequate exits and protection of vulnerable areas with fire resisting fire walls are now in progress.

Massey Library

Extensive renovations have been made to the fifty-year-old Massey Library, and facilities have been extended by the provision of a large student Lounge in the basement area. The original design of this building provided for the finishing of a basement floor under the main building. This area had never been excavated, except for a small portion containing washrooms, which were used chiefly during various Home Weeks and Summer Courses attended by the district farmers. The excavation, difficult because of reduced head room, was undertaken by the students under Department of Public Works' supervision. Two new entrances were cut to the basement area and finished with brick porches and concrete steps of a suitable design to match the existing building. A new concrete floor was poured over the entire area. Sub-division and finishing of the area was designed solely to provide for student recreation. The main portion of the area was selected to provide a student Lounge. Existing brick piers and new partitions covered with asbestos board, all piping concealed, and a new accoustic ceiling erected. Recessed fluorescent lighting was installed, built-in furniture constructed and finished in lime birch and maroon imitation leather. A large open kitchen-type Snack Bar complete with food storage room was provided at one end of the Lounge. This features stainless steel equipment provided by the Student Council, with a Bar finished on the counter with yellow linoleum and on the face with maroon colored imitation leather. This modern Lounge will be completed with the laying of asphalt tile flooring over the concrete, the provision of stools at the Snack Bar and other items of a minor nature. Service rooms leading off the main Lounge include two new cloak rooms, two new washrooms and the renovation of the existing washroom, a Janitor's cupboard and miscellaneous storage areas.

In addition to the provision of the main Lounge a large area was converted to provide for other activities of the student body. A large Music Room was provided, and off of this, two sound-proofed practice rooms. Space is provided for an Office for the Student Council, a broadcasting room and other multipurposed rooms.

In addition to extensive alterations in the basement, the main Lecture Room, which is directly above the Lounge, was entirely renovated; the wiring



Students' Lounge, Massey Library

ONTARIO AGRICULTURAL COLLEGE, GUELPH

system was remodelled; fifteen new indirect lighting fixtures were provided over the seating area, and recessed lights provided to serve the Lecturers and light the blackboards. All floors were sanded and refinished, the seating arrangement entirely re-arranged and extended, and new arm desks provided. On the exterior of the building the stonework was repointed, new concrete walks were laid to connect existing walks with the two new entrances, and all landscaping made necessary by these alterations was carried out.

Nutritional Laboratory Building

A second important extension to the college facilities is the provision of the new Nutritional Laboratory Building located on the west side of the Highway, adjacent to the Judging Pavilion. This building, designed for research in small animal nutrition, is of one-storey frame construction finished with brick siding to the window level, and plywood from this level to the line of the flat felt and gravel roof. Foundations and floors are of concrete and the interior frame partitions finished with plywood. Mechanical ventilation equipment was provided and the building heated by a steam main from the central heating plant.

Dairy Building

A new addition is now under construction at the rear of the Dairy Building. This addition is two storeys high, constructed of concrete foundations, red brick walls to match the existing structure, concrete floors laid over bar joists and a flat felt and gravel roof. On the main floor is a drive-in Service Entrance. A new Elevator will be constructed leading to the second floor Processing Room. Plastering of the new addition has been completed and work will continue on the

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

laying of terrazzo floors and installation of the Service Elevator and mechanical milk handling equipment.

MacDonald Institute

Extensive alterations to the existing building and construction of a large new addition are now underway to provide the necessary additional accommodation made necessary by the Institution in 1948 of the new four-year Degree Course in Home Economics. Alterations to the existing building provides for new rooms in the basement, new Administration Room on the first floor, and remodelling of the Diningroom, including provision of new concealed lighting fixtures. The new addition will provide two Textile Laboratories, Weaving Room, Craft Rooms, and accommodation for female students on the second floor consisting of demonstration livingroom, diningroom, kitchen and dormitory areas, and apartment suites for the Principal and other staff members.

Farm Buildings

Two new structures were added to the Farm Buildings during the year. A small animal shed 16' x 24' with concrete floor and wood superstructure was provided for the Bacteriology Department. At the Turkey Farm a Leanto addition 6' x 100' was added to the barn. This addition, constructed with concrete foundation and floor and wood superstructure, was designed to provide a convenient feedway along one side of the barn.

General Repairs

In the main Dining Hall six Walk-in Refrigerators were renovated and new freon cooling units installed. In the Cafeteria three existing Walk-in Coolers and the double-entry Reach-in unit between the kitchen and cafeterias were renovated.

In Mills Hall the existing hardwood floor was rebuilt, covered with 16-ounce felt paper and over sixteen hundred square yards of AA Battleship Linoleum. In the Maids' Dormitories the existing floors were sanded and over six hundred square yards of Linoleum laid.

The complete interior of Watson Hall was redecorated.

On the Poultry Building the existing roof surfacing was removed and a new twenty-year bonded felt and gravel roof, complete with new flashings, constructed.

On MacDonald Hall, Mills Hall and Memorial Hall an extensive program of roof repairs has been completed. This consisted of new copper gutters and flashings, installation of new built-up roofs on the flat decks and replacement of missing slates. On MacDonald Hall the front portion of the roof was relaid with slate-covered asphalt shingles.

In the Horticultural Building the existing elevator was overhauled and two pairs of Kalamein fire doors, complete with electrical work for switches, etc. were installed.

In the attics of Mills Hall and Horticultural Building, which are presently used as Dormitories, all damaged walls were covered with $\frac{3}{16}$ " fireproof asbestos board and the walls redecorated.

DEPARTMENT OF AGRICULTURE

Ontario Veterinary College, Guelph

Rearrangements in the old building, designed to integrate existing facilities with those provided in the new addition, have been completed. This consisted of renovation and extension of Laboratory facilities, provision of refrigeration equipment in the new building and the Autopsy Building, and numerous minor alterations.

A new Garage Building is presently under construction. This is a red brick fireproof structure, built on two floors, providing on the main floor a single and two-car garage, three-truck garage, and an Incinerator. On the second floor are Research Laboratories for small animal work. Heating is provided by unit heaters in the Garages and Convectors on the second floor.

A Laboratory and additional stalls have been provided in the extensions to the Animal Infirmary, as described in last year's Report, and the remodelling of the electrical service is continuing.

Agricultural College, Kemptville

A fire on May 13th, 1950 brought about many changes in this Institution, and instigated a program for the complete reconstruction of utility services. Destroyed in the fire were the Engineering Building, the frame Dining Hall, the frame Pumphouse, and the wood Water Tank. To provide an emergency water service a 3" temporary Watermain eighteen hundred feet long was laid over the surface to connect the Institution via Highway No. 16, with the Town of Kemptville Water System. Work immediately started on the installation of a new Water System with a permanent connection with the Town of Kemptville. A connection was taken off the existing 8" Town Main on Prescott Street on the Town limits and carried to the Meter Chamber located at the north-east corner of the property. The system was extended throughout the grounds to service all buildings, and south of the C.P.R. tracks and east of Highway No. 16, to service the farm buildings. This system, in addition to providing a domestic service to all buildings, includes an extensive fire system with connections to exterior hydrants and internal Standpipes for the protection of all buildings. This work was largely done during inclement Fall weather, made more difficult by shale formation under a shallow overburden, but, it is expected, will be completed early in the coming year. The old Water System which was supplied by drilled wells is being renovated and new pumps installed to provide an emergency stand-by fire service.

The Town of Kemptville is presently working on the provision of a town Sanitary Sewer and Sewage Disposal System. In connection with this, Department of Public Works has prepared a Survey and is preparing plans for a complete new Sanitary and Storm Sewer System to serve the Institution grounds.

The electrical system is being extensively remodelled to provide a 110/220 volt 3-phase service, which work is now nearing completion. An overhead line was carried west along the Concession Road on the north property border, and south to a Transformer Station located behind the Dairy Building. From this point it was carried by underground conduit to serve all buildings and an overhead lighting system which is presently being provided along the roads in and about the Institution grounds. The Students' Residence, the Administration

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Building and Gymnasium have been re-wired and new lighting fixtures provided in the Students' Residence and a number of Classrooms.

A new Engineering Building is presently being designed for this Institution and will be located west of the present Dairy Building. The Blacksmith Shop which was located south of the old Engineering Building was badly charred in the fire and has been removed to a new location, and renovated. A new sectional heating boiler complete with oil burner has been installed in the Principal's Residence complete with circulating pump, and a one-thousand-gallon buried tank. A concrete block Silo 12' in diameter and 40' high was constructed adjacent to the Dairy Farm. The Dairy Barn was partially re-roofed with aluminum sheeting.

Experimental Farm, Ridgetown

A new Students' Residence located on the Kingsway east of Cecil Street which has been under construction in the past year is now substantially complete. The building is constructed of red brick trimmed with white sandstone. It is built on two floors with a partial basement containing two coal-fed HRT Steam Boilers and numerous storage rooms. On the main floor are located two Common Rooms, Students' Bedrooms, Diningroom and Kitchen. On the second floor are additional Students' bedrooms and a four-bed Sick Bay. The building is of brick veneer construction generally, with concrete floors laid over steel bar joists in washroom, kitchen, etc., and wood floors finished with linoleum in the Dormitories and corridor sections and terrazzo and tile in washrooms and kitchen area.

The building provides quarters for one hundred and fourteen students, separated into single and double bedrooms. Furniture in every case is built-in and provides each student with bunk-type bed with storage space underneath, a desk, wardrobe, bookcase, mirror and ample storage drawers.

The kitchen is of modern type, comprised of bakeshop, cooking area, service area, butchershop, refrigerators for meat, vegetables and dairy products, and the dishwashing area. Equipment includes an electric mixer, bake oven, vegetable peeler, steam kettle, vegetable steamer, roast oven, meat slicer, bread slicer, electric ranges, steam serving table fitted with coffee urns, an electric toaster, and mechanical dishwashing equipment.

The building is designed on the most modern lines from a fire hazard viewpoint. All three wings are served by Fire Tower Stairs located at their extremities. Each floor is protected by kalamein fire doors separating the respective levels into six separate areas and is amply equipped with standpipes and fire hose.

Upon completion, the grounds will be landscaped to provide a suitable background for this attractive building.

Fruit Inspection Station, Gravenhurst

A two-storey frame and concrete block building for inspection of fruit and vegetable products in transit was erected and completed. A closed-in drive-in section for winter inspection was also included. The building was finished with log siding in keeping with the beauty of the Muskoka District, and included

DEPARTMENT OF AGRICULTURE

residence section for living quarters for the Inspection Staff equipped for all year occupancy with oil fired steam heating system.

A well was dug and piped to the building.

Proper roadways were also constructed to take the heavy traffic to and from the station and off the highway parking for the trucks.

Fruit Inspection Station, Fruitland

A new front and repairs were made to the loading platform and the platform was reinforced with 4" Angle Iron to take the continuous bumping by the backing in of the trucks.

Minor repairs were made to the roof.

Plans were completed for a sewage disposal bed and a well with pumping unit and pressure filter complete.

Horticultural Experimental Station, Vineland

The Horticultural Testing Laboratory described in last year's Report, has, with the provision of additional equipment and decorating, been completed and is now in operation. In addition a six-car garage has been constructed and a small building containing fire protection equipment erected. Numerous repairs have been made to existing buildings. The piping in the greenhouses is being renewed, alterations are presently being made to the lodge for married staff, and staff lavatories are being renovated.

Demonstration Farm, New Liskeard

The Farm House at the Demonstration Farm, New Liskeard, was renovated with repairs being made to the foundation, renewal of the roof, repairs to steps and painting of the exterior of the building.

Food Inspection Station, Wheatley

A complete plumbing installation has been made in this Station. A 4" Well has been drilled to a depth of 130' and fitted with a Deep Well Pump. All fixtures and a Domestic Hot Water Supply System has been provided for the building and a Septic Tank constructed. This installation included the construction of a small pumphouse designed to conform with the exterior design of the station.

For The
DEPARTMENT OF EDUCATION

Ontario School for the Deaf, Belleville

Reconstruction of the second half of the Drill Hall floor has been completed. This work was a continuation of the reconstruction of the first half as described in the previous year's Report, and consisted of removing the old floor, made unsound by dry rot, treating the base concrete slab with tar and asphalt paper, placing 2" x 4" sleepers, and laying a double-thickness floor, utilizing the original hardwood floor. A system of ducts and an Extractor Fan provide a continuous flow of fresh air to guard against any further attack by rot.

A new bathroom providing six baths in separate cubicles has been constructed in the basement of the Girls' Residence. Work included the installation of wastes, vents and hot and cold water supplies systems, as well as the provision of fixtures and necessary partitions. In the Boys' Washroom new urinals were installed and defective self-closing faucets were replaced.

Brick settings to Nos. 1, 2 and 3 Boilers are presently being repaired. Numerous repairs and alterations of a minor nature were made to maintain buildings and equipment in good order.

Ontario School for the Blind, Brantford

A number of improvement projects have been started in the old Main Building to modernize and extend existing facilities. A new plumbing installation to include a sink, wash basin and water closet is presently being made in the hospital section located on the third floor. A start has been made on the remodelling of the pantry adjacent to the main kitchen. This work will consist mainly of the construction of shelves, cupboards, cabinets and counters. The installation of a stainless steel two-compartment sink is also included.

A similar program has been conducted in the Domestic Science Room. New linoleum has been installed in the Boys' and Girls' Clubrooms and Hospital Dispensary, and a number of repairs made to existing pine and hardwood floors. Fire protection facilities have been thoroughly checked to insure satisfactory operation. Adjustments where necessary were made to fire detectors units; fire doors were adjusted or refitted, and the installation of wired plate glass completed. Existing fire hose was checked. Several new fire reels complete with hose were installed and additional fire extinguishers provided where required.

Numerous repairs of a minor nature were conducted. These include the provision of shelving and counters in several rooms, and refitting of doors and windows, repairs to eavestroughs and downpipes and repairs to a portion of the slate roof. Repairs to the roof of the main building will be continued in the coming year. Plans have been made to install new telephone lines and switchboard to replace the existing obsolete equipment.

The Wicker Shop Building has been re-wired and new light fixtures provided.

DEPARTMENT OF EDUCATION

New bathrooms were constructed in the basement of the Girls' and Boys' Dormitories. Construction was similar in both buildings and consisted generally of the replacing of six old bathtubs in each with new built-in tubs, the installation of wastes, vents, and hot and cold water systems, and the construction of partitions to provide separate cubicles for each.

The Superintendent's Residence has been completely renovated and modernized. This renovation follows the pattern of the work conducted on the Bursar's Residence in the previous year and included remodelling of plumbing, heating and electrical installations and complete redecoration of the interior.

A start has been made on similar renovation of the Gate House, which work will be completed in the coming year.

In the Boiler Room a Domestic Hot Water Tank, Blowdown Tank and an Ash Hoist have been installed. One new coal Stoker has been installed and the remaining two overhauled. Adjacent to the Ash Hoist a steel ladder has been attached to the wall. For fire escape purposes the wooden Ramp at the rear of the boilers has been removed and a steel ladder and platform substituted. Construction of a mezzanine floor in the main building basement to provide a pump room is progressing. General repairs were made to heating supply and return mains throughout the numerous buildings, particularly the main building.

Plumbing in the various buildings has been checked, fixtures repaired, new soap dispensers installed in the washrooms, and waste and supply pipes replaced as required. The work of replacing underground heating mains, started in the previous year, is now approximately 60% completed.

Normal School, Hamilton

The new Clock and Program System to replace the existing worn-out Clock System has been installed, which work also included provision of a new Buzzer System. A number of rooms were redecorated. The exterior masonry and brick work was repointed where necessary, and numerous repairs of a minor nature conducted.

Provincial Institute of Textiles, Hamilton

The installation of humidifying equipment to provide controlled humidity, as described in the previous year's Report, has been completed. A new Laboratory Sink and Service Sinks have been installed, and the necessary wastes, hot and cold water piping and air lines have been installed to equip a Laboratory Table. A new hot water tank was installed. The building was re-roofed with 20-year bonded tar and gravel.

Provincial Institute of Mining, Haileybury

An area at the rear of the building was excavated, and concrete walls, floor and roof slab were poured to form a new Boiler Room and Coal Bunker. A new Boiler was installed, connected and insulated, together with the insulation of the pipes. A stoker and Ash Hoist will be provided to complete this installation.

To provide additional fire protection facilities new Standpipes were installed and a Booster Pump mounted to provide additional protection. Minor

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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improvements were made, including installation of basin and toilet in the Ladies' Washroom, installation of soilpipe in the Chemistry Room, general repairs to plumbing, construction of a cabinet for storage of Janitor's supplies, and the installation of an asbestos Exhaust Pipe replacing the old metal pipe from the fume cabinets in the Laboratory.

Normal School, London

A new Clock and Program System was installed and a number of manually-operated brass gongs provided for alarm purposes. Plaster in the Auditorium and Washrooms was repaired, and masonry and brick work at the entrance repointed. Roof repairs were made as required, while the complete interior and exterior of the building were redecorated.

Normal School, North Bay

Four new fan-type heating units were installed to replace the old pipe-type radiation. The wiring system was generally checked, replaced where necessary, and new fixtures installed as required. The entire interior walls and ceilings were cleaned and painted and woodwork varnished. Temporary repairs were made to the roof, and exterior trim was painted.

Normal School, Ottawa

The new telephone system designed to connect the Principal's Office with all rooms, as described in the previous year's Report, has been completed. In addition, a Clock and Program system has been installed. Damage to a portion of the roof structure and roofing caused by falling ice was repaired, and an electrical heating cable installed in the roof gutter to prevent snow and ice accumulation. New offices were formed in Room No. 9 by construction of partitions. Repairs were made to plaster in the north corridor ceiling and other parts of the building as required, and some painting done in conjunction with this work. A number of minor repairs were conducted including repairs to piping in the Boiler Room as required.

Normal School, Peterborough

The lighting system was checked and new lighting fixtures are being provided as required. A number of miscellaneous minor repairs are being made.

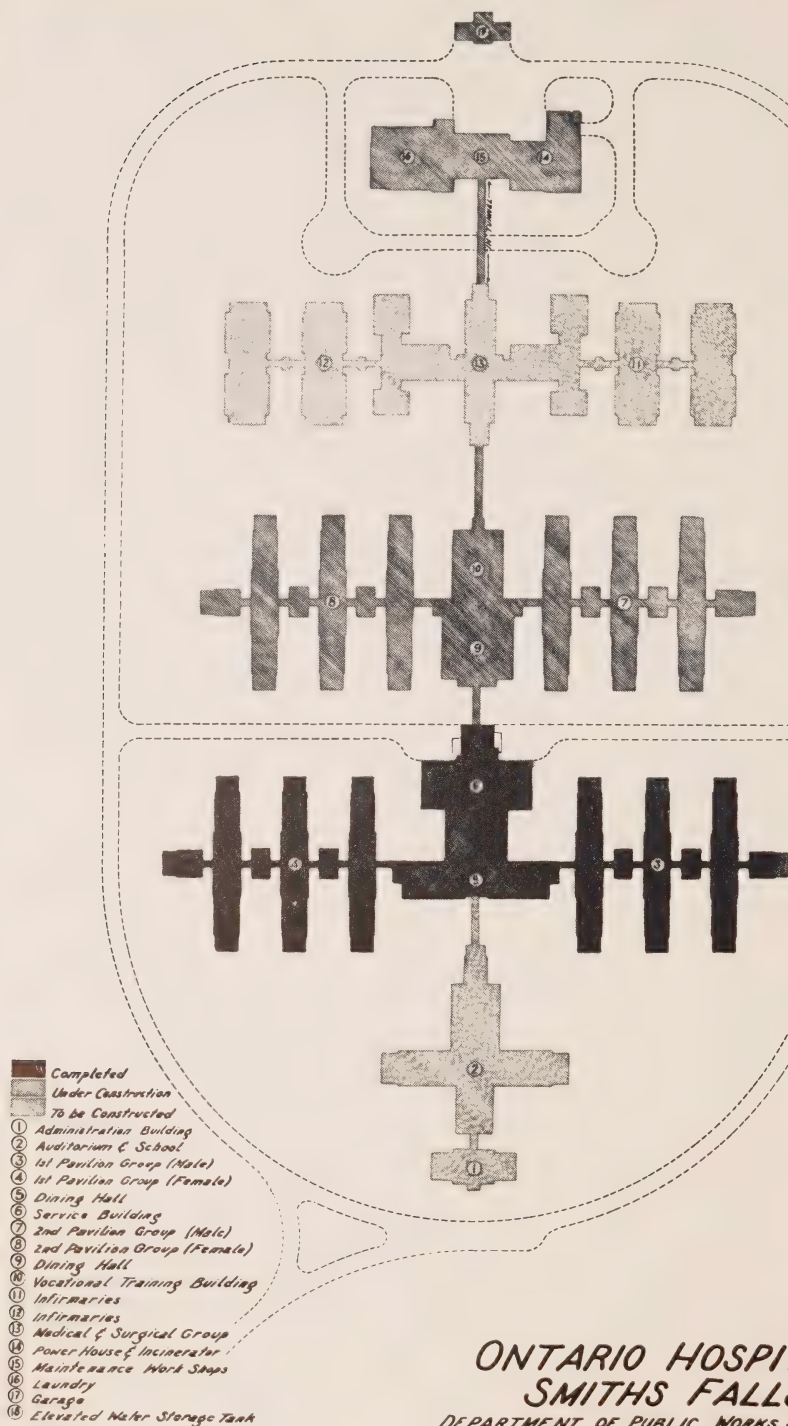
Normal School, Stratford

The stair landing which was in a deteriorated condition was repaired and strengthened, and other minor repairs made.

Normal School, Toronto

General repairs were made to the furnace lining, vents and coil return pipes re-arranged, individual coil traps installed, and new stoker purchased and installed on No. 1 Boiler. Miscellaneous repairs were made as necessary.

For The
DEPARTMENT OF HEALTH



ONTARIO HOSPITAL
SMITHS FALLS

DEPARTMENT OF PUBLIC WORKS - ONTARIO

0 50 100 200 300 400 Feet

G.N. WILLIAMS
DEP. MIN. & CHIEF ARCHITECT

MARCH 31, 1951.
S.J. VANCE
ASST. CHIEF ARCHITECT.

For The **DEPARTMENT OF HEALTH**

During the past year Department of Public Works has concentrated upon fire prevention in Ontario Hospitals. A general survey of the Ontario Hospital Group has been made by members of the Ontario Fire Marshal's staff and individual Reports with recommendations for improvements have been submitted to the Department of Public Works. Immediate action has been taken in the provision of additional fire-fighting equipment and repair or replacement of existing equipment. Recommendations requiring structural alterations were classified on a priority basis and distributed among the respective groups within the Department for their attention. At the close of the fiscal year a large portion of these recommendations had been carried out, and the remainder either under way or in the planning stage, according to the magnitude of the work involved and the availability of still scarce essential materials.

The activities described have in no way interfered with the large-scale programme of renovation and reconstruction in fire-resistant material of the older Hospital Buildings. Excellent progress in this work has been made in such Institutions as the Ontario Hospitals at Brockville, Hamilton, Kingston, New Toronto and Orillia, described in detail in their respective sections of this Report.

Equally important as the work described above is the extensive planning and construction presently being conducted to satisfy the demands for additional accommodation in the Ontario Hospital Group. The extent of the Department of Public Works' effort is reflected in the provision during the past year, of a two hundred and fifty-bed hospital at Aurora, the opening of a nine hundred-bed unit of the twenty four hundred-bed hospital now under construction at Smiths Falls, the start of construction on a four hundred and sixty-bed hospital at Port Arthur, and the preparation of plans for additions providing six hundred beds to be started at Brockville in the Spring of 1951. This represents a total of three thousand, seven hundred and ten beds which have or will be provided to ease present overcrowded conditions. A full description of the progress made on each of these units is given in their respective sections in this Report.

Ontario Hospital School, Smiths Falls

Hospital design produces many of the most difficult problems facing the Architect of to-day. These have their origin in the increasing complexity of modern hospital routine, the many specialized services conducted in general hospitals and the variations of these factors in specialized hospitals. Department of Public Works Architects through their constant contact with Department of Health Officials and the problems of operation and maintenance of Ontario Hospitals, and in the specialized work of maintenance, renovation and reconstruction of the eighteen hospitals forming the Ontario Hospital Group, have been placed in a most favourable position to analyze and classify these problems. This knowledge has been applied to the design of the new Ontario Hospital School at Smiths Falls, and it is with pleasure that we present the following description of the facilities to be provided and the construction progress to date.



Department of Public Works, Ontario Hospital, Smiths Falls

Chief Architect — GEORGE N. WILLIAMS — Assistant Chief Architect — S. JAMES VANCE

Excavation for Vocational Training Building

ONTARIO HOSPITAL, SMITHS FALLS



REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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The attractive site chosen for the new hospital is on the edge of the Rideau River on the Merrickville Road immediately east of the eastern Town limit of Smiths Falls. The property comprises approximately four hundred and forty two acres, and this will in time provide a farm for the occupation of the hospital patients.

To realize the magnitude of the construction, reference to the sketch on page (26) and few basic statistics are necessary. As may be seen, a central corridor will extend from the Administration Building at the south end of the Institution to the Power House and Laundry Building at the north. Three main cross corridors connect with the patient wings and the Infirmary and Hospital Building. At the intersection of these corridors with the central corridor are located the main Service Buildings providing for medical and surgical treatment, diagnostic clinics, physiotherapy, vocational training, dining halls and food preparation. The main corridor with an utility tunnel beneath, presents over one third of a mile of continuous structure. The cross corridors which form the main corridors for the units, are approximately one-fifth of a mile long. The total floor area of utilized hospital space, (and it must be noted that this excludes all basement and storage areas) is in excess of nine and one-half acres, and when completed will contain all facilities for housing, treatment and vocational and academic training of approximately twenty-four hundred patients, as well as all workshops necessary for the maintenance of the buildings and equipment.

As construction on such an extensive scale must of necessity be conducted over a period of years, the units have been undertaken on a priority basis designed to provide the maximum accommodation and essential facilities necessary to the operation of these units in the shortest possible time, while the remaining buildings are under construction. Following this programme, the first Pavilion group accommodating approximately nine hundred patients was completed and turned over to the Department of Health in December of 1950, while a second Pavilion group with approximately the same bed capacity is well along towards completion. The heating plant in the Power House has been in operation since the Fall of 1950.

Generally the buildings are of fire-resisting construction, with exteriors of red brick trimmed with Queenston limestone. The roofs are flat reinforced concrete, insulated, decks surfaced with felt and gravel. Floor structures are of reinforced concrete and interior partitions are of structural tile. Door frames generally are of metal and the doors slab type brick veneer except for exit doors, doors to stairways and other spaces where metal fire doors were required to provide proper protection against spread of fire. Floor surface finishes generally are of terrazzo, and in washrooms, toilets, utility rooms, bathrooms and other rooms fitted with plumbing fixtures, glazed tile dados have been extensively used to maintain the high sanitary standards set throughout the Hospital. Accoustic tile ceiling treatment has been used in wards, dry rooms, corridors and other spaces as required to control and minimize the transmission of sound.

For descriptive purposes we will commence at the south end of the Hospital and describe the buildings as they will appear:

Administration Building

This building, to be located at the extreme south end of the central corridor, is in the design stage. When constructed it will be a single-storey



Typical Pavilion Wings
ONTARIO HOSPITAL, SMITHS FALLS

Ward Cubical
ONTARIO HOSPITAL, SMITHS FALLS



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brick structure. The unit will form the main entrance to the Hospital and contain all the necessary offices for medical and business administration.

School Building

Immediately north of the Administration Building will be located an Auditorium and School Building which will provide for the teaching of academic and specialized subjects, as well as physical training and general entertainment of the patients. This unit to be constructed on two floors, will contain the Main Auditorium, a number of academic classrooms, music rooms, occupational activity rooms, and a fully-equipped Gymnasium. It should be noted that, though these buildings are described as being in the design stage, all utility services have been provided to the building lines and that preparatory work has been conducted to obtain the necessary levels of ground and rock formations.

First Pavilion Group

This first unit was opened in December of 1950, and provides accommodation for nine hundred ambulant patients. However, due to the necessity of utilizing a portion of this space for temporary administration, staff accommodation, treatment rooms and school rooms, while the appropriate buildings for these purposes are being constructed, the full bed capacity is not immediately available.

The unit is composed of six Pavilions radiating from the cross corridor to provide twelve wards each on the male and female sides, or total of twenty-four wards containing an average of thirty-seven beds. A typical Ward contains two large day rooms for patient recreation, a single large dormitory room which in turn is divided into six bed cubicles by low partitions, and a Nurses' Station adjacent to the Dormitory, equipped with dispensing counter, medicine room, storage cupboards and staff lavatory, and provided with a partial glass partition so located as to give observation of the ward and patients. The dormitories and day rooms are located at the extremities of the wings so as to obtain maximum light and ventilation from the three exterior walls. Between these rooms and the main cross corridor are located the service rooms of the ward. These consist of the patient lavatories and washrooms, a single room for segregation of disturbed patients, a utility service room equipped with flushing rim slop sink, hospital-type shallow bath, suitable storage shelving, etc., and, completing the facilities contained in typical Ward are a linen storage room with suitable shelving and two clothing rooms to provide for the ward clothing needs of the patients.

The interior finish has been dictated by years of experience with conditions met in this type of Hospital. No effort has been spared to make the interior as attractive as possible. The floors throughout are of terrazzo with terrazzo bed stops around partitions and walls. The brick exterior walls are lined with 4" furring tile with plaster finish on walls and ceiling throughout. Recessed fire hose cabinets with connecting standpipes, and suitably fitted with fire hose, are located in each ward. By means of the connecting corridors at one end and fire tower stairways located at the extremities, dual means of exits are provided to grade level, which, combined with the exclusion of inflammable construction material, form fire-resisting units, and provide maximum protection for the patients' safekeeping.



Patients' Washrooms

ONTARIO HOSPITAL, SMITHS FALLS

Corner of Pavilion Day Room

ONTARIO HOSPITAL, SMITHS FALLS



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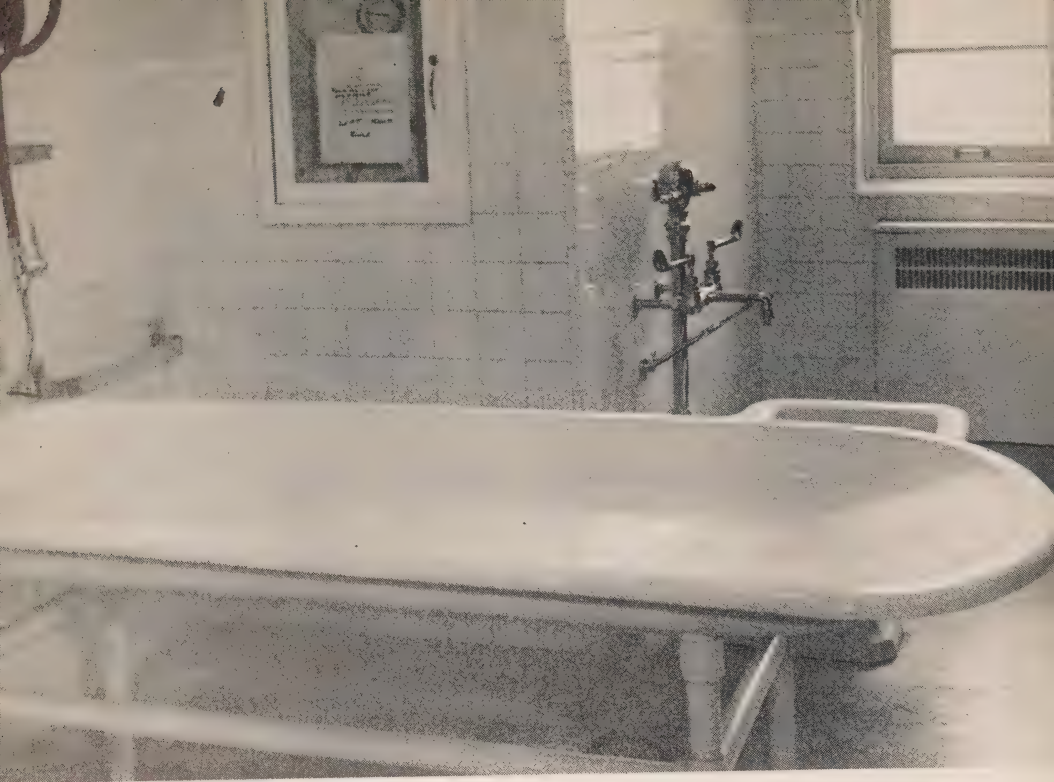
Bathing units are located at the extremities of the Pavilion groups and serve the six Wards located on each floor of their respective section. The bathing units which are extensive, are subdivided in such a manner as to provide for ease in caring for a large number of patients. The main dressing room is located immediately off the main corridor. This is equipped with benches mounted on built-in pedestals in the terrazzo flooring and are for the convenience of patients removing their soiled clothing prior to entering the bathing section. On entering, the soiled clothing is deposited in an adjacent soiled-clothing storeroom fitted with racks to hold bags in which the clothing is transported to the hospital laundry. The bathing section consists of a large shower room and bathroom finished with terrazzo floors, glazed tile dados to shoulder height, and Keen's cement plaster on the upper walls and ceilings. The shower room contains six showers controlled in banks of three by thermostatic mixer valves located in a recessed locked cabinet and operated by an attendant. Shower stalls are individually separated by marble partitions. A bench, located in the middle of the room for the convenience of the patients while drying off, is protected from the showers by a low partition. The adjacent bathroom contains two standard bathtubs for patients who through choice or physical handicap are unable to use the showers. Patients' clean clothing is obtained from an adjacent stores room fitted with suitable shelving and so laid out as to provide plenty of space for clean clothing of all types and sizes. Upon receiving their clean clothing patients dress in the dressing room previously described. It should be noted here that all storage shelves and cupboards are of birch in light maple finish, located on raised terrazzo bases to provide for ease in cleaning.

A third important component of the Pavilion Group is the out-door clothing and visiting units of which there are four for each section, located on each floor between the Pavilions and spanning the unit corridor. Each outdoor clothing unit contains three clothes-storage rooms suitably equipped for storage of patient recreation and work clothing. The units are designed to serve a dual purpose by providing for the convenience of visitors, and to this end in each unit is provided a Patients' Waiting Room and an adjacent Visitors' Room where they may receive friends and relatives. A separate fire tower stair serves each of the blocks, providing direct outside entrance for the use of visitors.

Adjacent to the outdoor clothing units and projecting from the unit corridor are located such service rooms as Staff and Visitors' Lavatories, Janitor's Closets, and Utility Rooms.

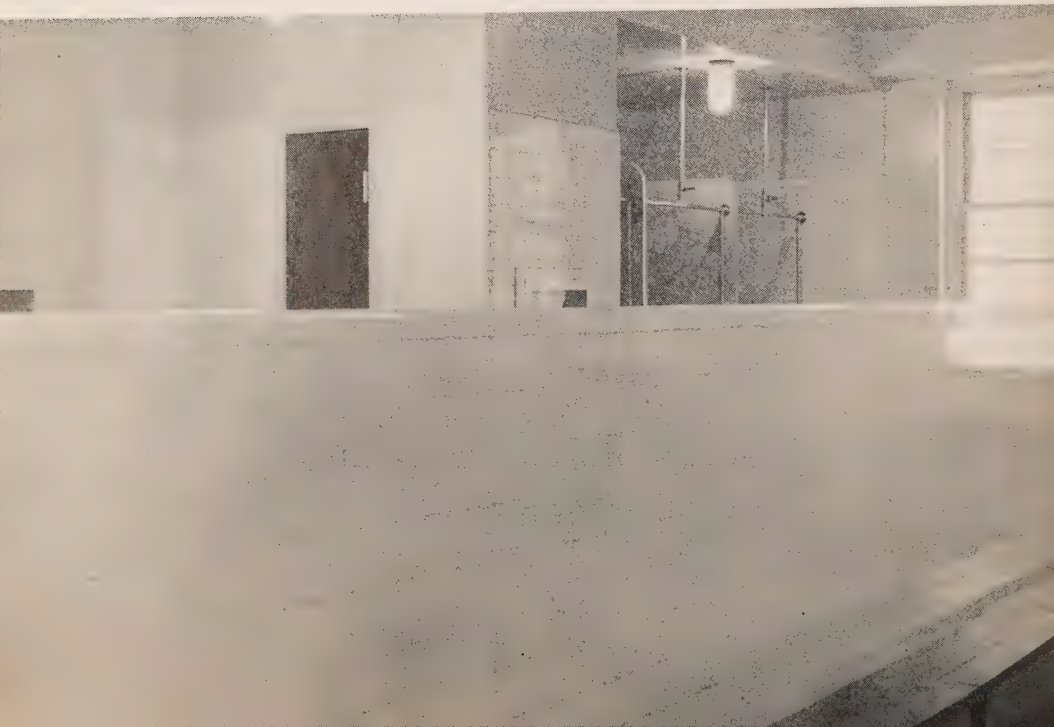
Central Dining Hall

At the junction of the central corridor and the pavilion corridor, in a position conveniently located to serve both male and female ward wings, is the central Dining Hall Building. This is a single-storey solid brick building with floor area of approximately six thousand four hundred square feet, of a design consistent with the rest of the structure. The Dining Halls are adjacent to the central corridor and south of the unit corridor, thus providing exterior walls on the east, south and west sides. The Dining Rooms are of Cafeteria style so arranged that patients entering from the pavilion wing corridors pass by a Servery located in each case at the end of the Dining Hall adjacent to the central corridor, and upon leaving their trays are deposited at a receiving wicket opening on to a dish-washing room located at the other extremity of the room.



Utility Room, Patients' Ward
ONTARIO HOSPITAL, SMITHS FALLS

Shower Room in Patients' Bathing Unit
ONTARIO HOSPITAL, SMITHS FALLS





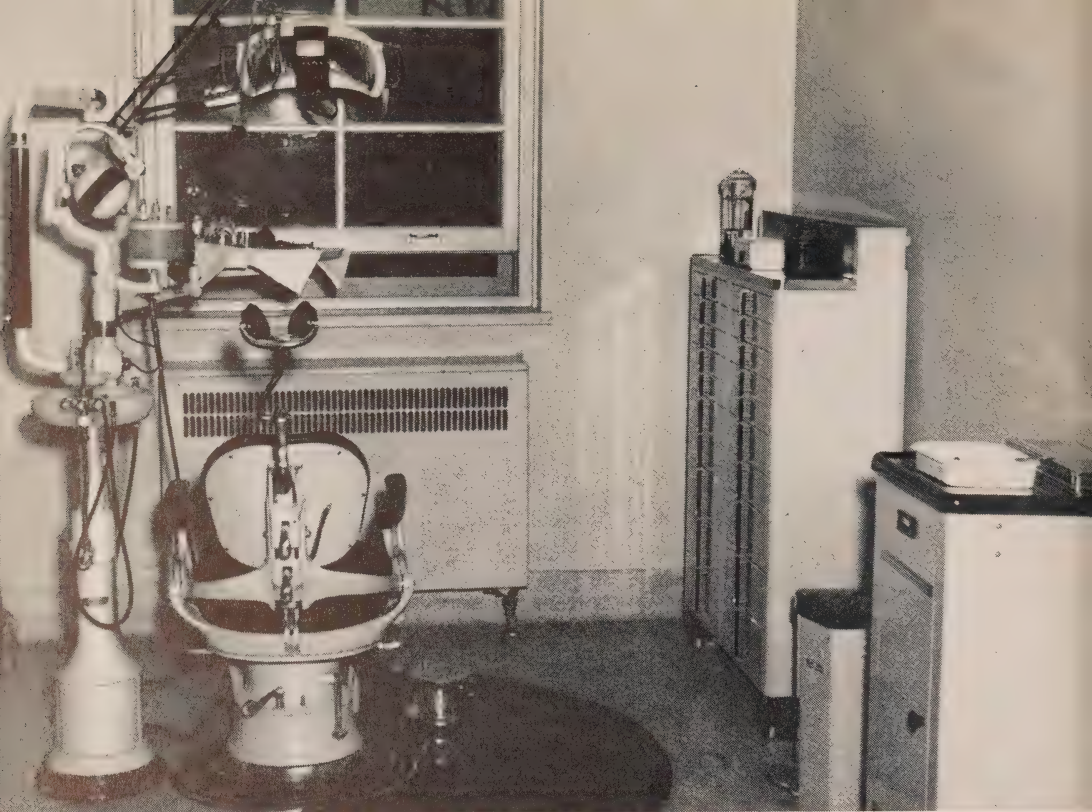
Visiting Alcove

ONTARIO HOSPITAL, SMITHS FALLS

Food is transported to the Servery by heated food trucks, illustrated on page 37. The trucks are fully electrified, connected to convenient electric outlets in both kitchen and dining rooms to provide and maintain the correct serving temperature. A signal light indicates when food is at this temperature, thus guarding against the possibility of food cooling or being served cold. By means of separate insulated compartments provision is also made for cold foods. Doors and covers are so arranged as to form a serving table when open, thus adding to Servery facilities. The Servery is suitably furnished with the most modern equipment, consisting of steam tables, counters, cabinets, serving shelf fitted with conventional tray slide, and other miscellaneous equipment, and is finished with glazed tile dado with Keen's cement plaster on the ceilings and upper walls.

Separated from the Servery by a short cross-corridor connecting the Dining Hall to the central corridor is a Lavatory for the convenience of the patients. As is the case with all other lavatories in the buildings it is finished with terrazzo floor, glazed tile shoulder-height dados and Keen's cement plaster on upper walls and ceilings.

The Dining Rooms receive ample light from the north, east, and west elevations, and, in addition, a clerestorey over the central and north portion of the dining rooms provides additional light to compensate for the blank wall formed by the adjacent unit corridor and kitchen and service building located immediately north of the Dining Hall unit. Floors are finished in terrazzo throughout, the ceilings have panels of acoustic tile, the furniture is finished in light maple, and the windows are hung with attractive drapes—factors which with many lesser items combine to form very pleasant rooms.



Dental Room (Temporary Location)

ONTARIO HOSPITAL, SMITHS FALLS

Patients' Dining Room

ONTARIO HOSPITAL, SMITHS FALLS





Heated Food Conveyors

ONTARIO HOSPITAL, SMITHS FALLS

Dishwashing rooms, one for each Dining Room, are fitted with a dishwashing machine with stainless steel soiled and clean dish counters and a double sink, and are finished with tile floors and dados.

A mechanical ventilating system serves the entire building, and to this end a fan room is located over the central corridor with air intakes opening into the clerestoreys serving the two Dining Rooms. The Fan Room is served by a spiral stair leading from a stair hall adjoining the central corridor.

Service Building

Spanning the central corridor and adjacent to the Dining Hall Building is a single-storey Service Building. Extensive facilities provided in this building are designed primarily for the receiving, storage and preparation of food, the care and storage of hospital stores, and the provision of a staff Dining Room. The floor area is approximately twenty thousand square feet, which includes over one thousand square feet of refrigerated storage space, and is exclusive of extensive storage facilities provided in the basement. The portion of the building to the east of the central corridor is devoted primarily to stores. A receiving platform and entrance to serve this section of the building are located at the north-east corner. From this platform stores are directed either into the main stores area or an adjacent butcher shop. The stores area includes a receiving room equipped with scales and an adjoining office where the quantities and nature of incoming materials are recorded. A large workroom is located next in line where the stores may be checked, sorted and directed to their proper storage areas and later dispensed to the various departments of the Hospital. Two refrigerators and a deep-freeze unit, all of the walk-in type, lead directly



Pavilion Corridor from Central Dining Hall Building

ONTARIO HOSPITAL, SMITHS FALLS



Service Building with Male Pavilions in background

ONTARIO HOSPITAL, SMITHS FALLS

from this workroom and provide for the storage of perishable items. Immediately south of the workroom is a large storeroom fitted with suitable shelves, racks and cupboards for general dry storage. In addition a flour room is so located as to lead directly from the main workroom and in turn open into the Hospital bakery and bread room.

Special attention should be paid to the bakery and bread room, and this should not be confused with the pastry bakery which is an adjunct to the kitchen and will be mentioned later. The bakery will, on completion of the Hospital, produce in excess of one thousand loaves of bread each day, as well as rolls, buns, and other products. Equipment provided is adequate for this task and includes in addition to the oil-heated twin bread baking rotary type ovens illustrated, a sifter and blender, electric mixers with controlled fluid supply, moulder, roll divider and rounder, dry proofer, steam proofer, bake ovens and equipment, and numerous other items.

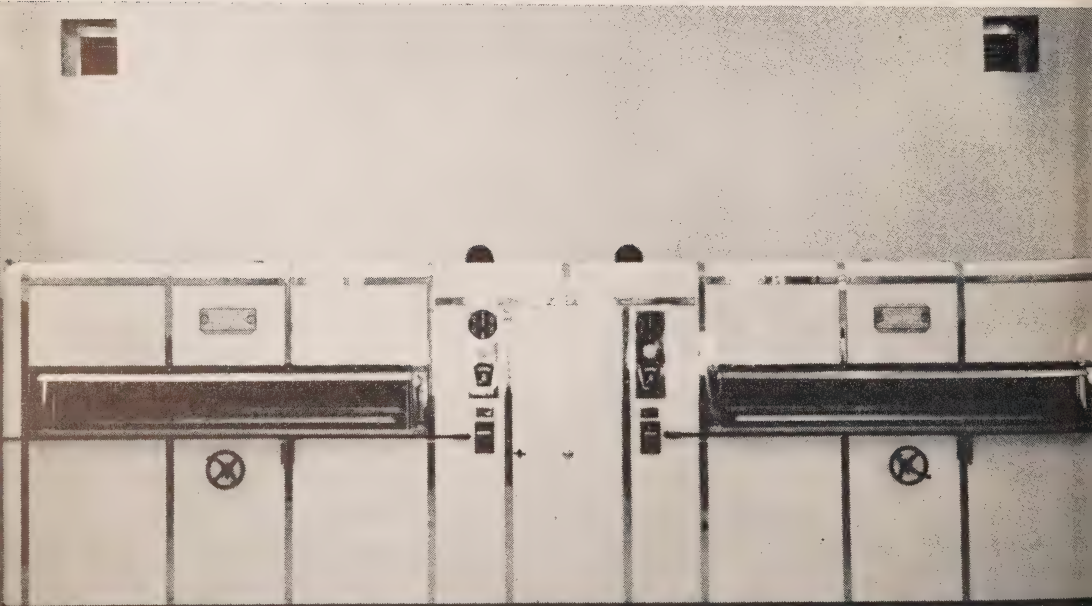
A third important branch of the stores section is the milk processing area to provide for milk obtained from herds which will eventually be developed on the Hospital farm. On receipt, the milk will be sent to a pasteurizing room, fitted with stainless steel pasteurizer, pump and cooler, and then into a refrigerated storage room. Adjacent to the pasteurizing room is a second room suitably equipped for the washing and sterilizing of milk cans.

The butcher shop previously mentioned is located between the receiving platform and the central corridor, and in addition to standard equipment is provided with an overhead conveyor rail and track scale leading from the receiving platform, to the butcher shop where the meat is cut and prepared, and from there directly into a large meat refrigerator room.



Work Room, Central Stores, Service Building
ONTARIO HOSPITAL, SMITHS FALLS

Bake Ovens in Bread Bakery, Service Building
ONTARIO HOSPITAL, SMITHS FALLS



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Across the central hall from the stores area is located an elevator leading to the basement storage area. The basement beneath this building is much more extensive than under the buildings previously described with almost the complete area having been excavated. The floor in some cases is of natural bed rock, having been blasted and scaled to follow the level strata at the desired depth. This rock floor, augmented by the foundation wall and concrete slab overhead provides cool dry storage. Near the foot of the elevator is located a large insulated vegetable storage room approximately 30' x 51'. Other large areas are utilized for general dry storage and mechanical and electrical equipment rooms, and the remaining areas are cut sufficiently deep to provide pipe space for the installation and serving of pipes serving the main floor above.

The portion of the building west of the central corridor is occupied primarily by the kitchen and related facilities. A receiving platform similar to that provided by the stores area is located at the north-west corner of the building. Leading from a vestibule off this platform is the main kitchen, a refrigerated garbage room and vegetable preparation room, the latter having a second entrance which opens on to the elevator, which in turn provides access to the vegetable storage room and basement below. Grouped around the main kitchen is the pastry bakery and various refrigerators serving the bakery and providing meat, vegetable and salad storage rooms for the kitchen. A pot-washing room is located at the west end of the kitchen and a Chef's office, and storage room for dry kitchen stores are provided immediately south of the pot-washing room. The illustrations on page 42 show a general view of the steam and electric cooking equipment in the kitchen, giving some idea of the facilities required for this important section. Immediately south of the main kitchen and located between the kitchen and staff dining room is a food truck room for the heated food trucks with which food is conveyed to the main dining halls.

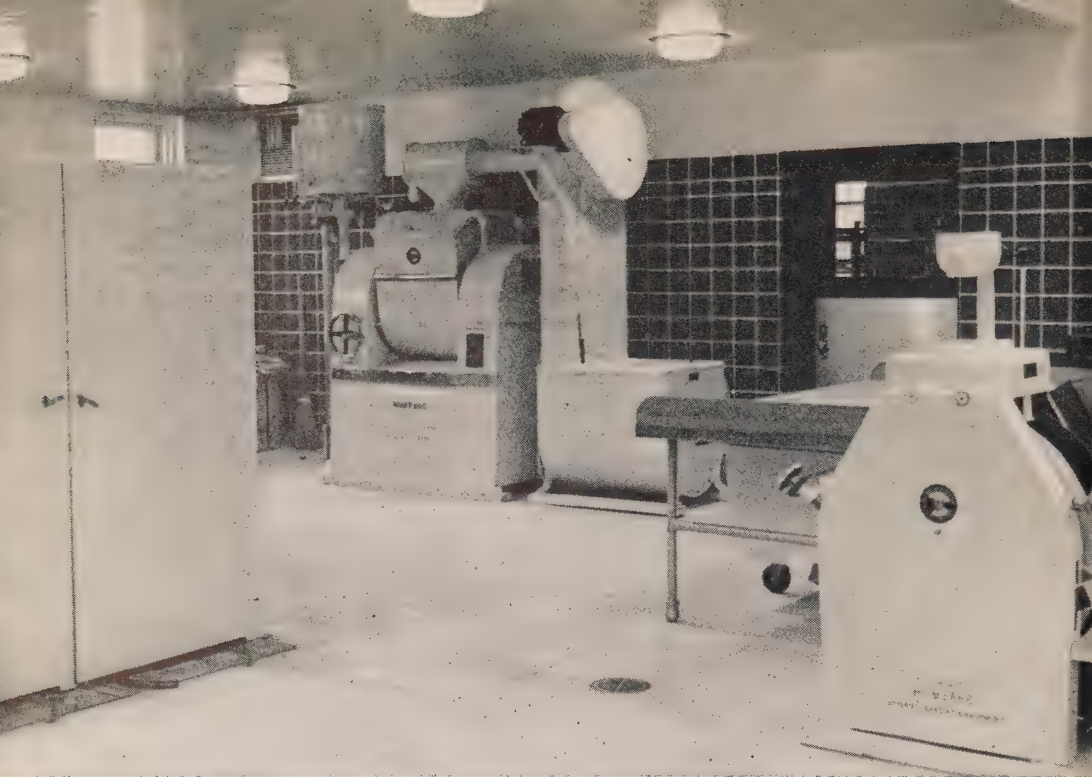
The Staff Cafeteria, though smaller, is similar in design to the main dining room. It is fitted with a Servery opening into the food truck room previously described, and has an adjacent dish-washing room.

The illustration of the Staff Dining Room Servery shown here is an excellent example of the equipment provided in all dining room serveries and the sanitary and attractive glazed tile used extensively in food dispensing rooms, washrooms and bathhouses.

Completing facilities provided in this building are a dining room for the kitchen staff, a general utility room, and men's and women's locker rooms, each equipped with suitable lockers and furnishings, and having adjoining lavatories for the convenience of the staff.

Because of the extensive floor area of this building an 8' clere storey is provided to bring additional light to the kitchen, stores, work area and bake shops. In addition, a Pent House provides a Machinery room for the elevator hoist and refrigeration equipment, and a fan room and exhaust plenum for the mechanical ventilation system, which serves all areas of the building.

Quarry tile dados have been used generally throughout the food preparation rooms, bread bakery and other workrooms in this building, and stainless steel drip pans have been installed under the steam jacketted kettles.



Bakery, Service Building
ONTARIO HOSPITAL, SMITHS FALLS

Main Kitchen showing Steam Cooking Section Service Building
ONTARIO HOSPITAL, SMITHS FALLS



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Second Pavilion Group

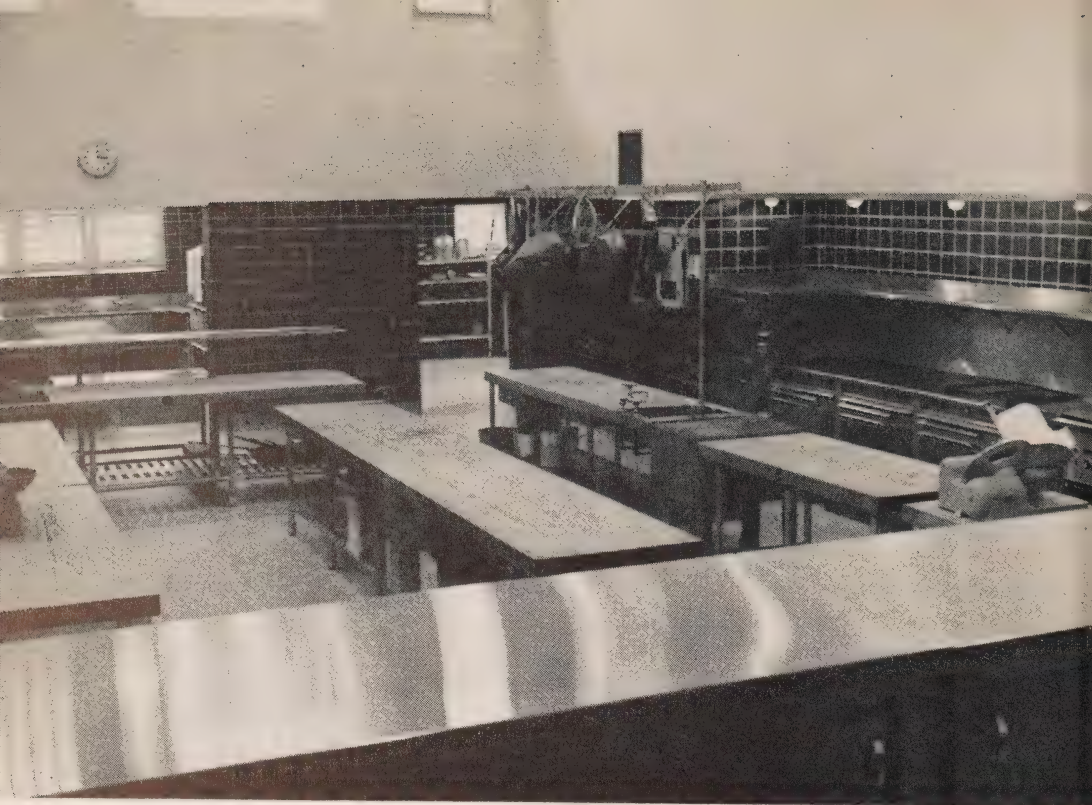
The design of this unit is very similar to the first group previously described, providing the same facilities and accommodation for approximately nine hundred patients. Its location is centred on a line approximately three hundred and seventy feet north of the centre line of the First Pavilion Group. An interesting feature of this unit is the location of the Pavilions. These are offset in every case so that the centre line of a Pavilion is in line with a point in the Courtyard midway between the Pavilions in the opposite unit; thus giving an air of spaciousness and providing adequate light and ventilation. Work is progressing most favourably on this group and it is hoped they will be ready for occupation by the end of this next fiscal year.

Central Dining Hall and Vocational Training Building

In the relative location occupied by the Service and Dining Hall Buildings in the First Pavilion group, the second unit provides for a Dining Hall and Vocational Training Building. This is a two-storey brick structure with fully excavated basement, of a design in accordance with the other Hospital Buildings and providing approximately thirty-two thousand five hundred square feet of floor space—once again, exclusive of basement areas. The Dining Rooms are located parallel to the central corridor and south of the Dormitory Wing cross-corridor, and are Cafeteria style, providing a Servery Dining Room and Dishwashing Room in each. The Servery and Dishwashing areas are located at the north ends of the rooms so as to leave the south-east and west elevations free for large window areas. A patients' lavatory is provided in conjunction with each Dining Room and located at the south ends of the respective rooms and parallel with the central corridor. Acoustic tile ceiling panels have been provided in both Dining Rooms and all Hall areas. The remainder of the first floor lying to the north of the cross-corridor is devoted to workshops for shoe making and mattress and furniture repairs. Material storage rooms and patient lavatories are provided for each workshop, and a staff lavatory is located off the central hall. In addition, a Barber Shop is provided containing four barber chairs and two shoeshine pedestals.

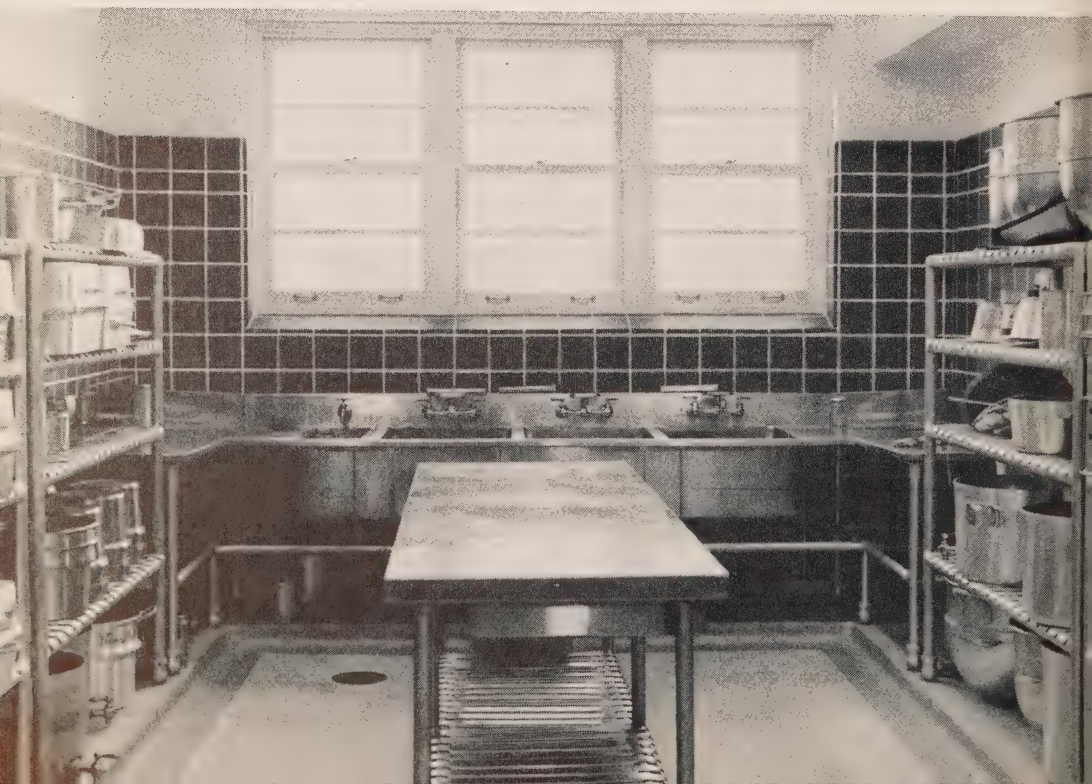
The basement below and second floor above are serviced by an enclosed fire tower stairway and elevator located at the junction of the central and cross corridors. In the basement, which as previously mentioned, is fully excavated, extensive storage areas have been provided for dressmaking, shoe making, furniture, and mattress repair shops, and general storage rooms, mechanical equipment rooms, and the necessary pipe areas.

The second floor, located over all portions of the building except the dining halls, provides for a garment repair shop and dressmaking room with all necessary storage rooms and lavatories for patients and staff. A beauty Parlour is provided and fitted with cabinets and chairs for the occupation of three operators; three hair dryers, a shampoo basin, and a manicure table. In addition, a model apartment for the training of patients as domestic staff is located on this floor, and provides a living room, dining room, kitchen, bedroom, and three-piece bath. A balcony extending off the living room is located over a vestibule in the central corridor below. Terrazzo flooring, etc., has been eliminated from this area and replaced by more conventional hardwood floors, etc., with kitchen finished in rubber tile and glazed tile dado.



Main Kitchen, showing Electric Cooking Section, Service Building
ONTARIO HOSPITAL, SMITHS FALLS

Main Kitchen showing Pot Washing Alcove, Service Building
ONTARIO HOSPITAL, SMITHS FALLS



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A third floor penthouse provides for the elevator hoist equipment and fan room and exhaust plenum for the mechanical ventilation system.

The workshops mentioned in the description of this building will be fitted with all desirable equipment for their respective purposes. In the main floor workshops standard terrazzo flooring has been eliminated in choice of a more practical hot laid mastic flooring. Walls are of pressed brick and ceilings in all workshops are finished with accoustic plaster.

Reception, Medical and Surgical Building and Infirmary Group

This third important unit is now in the advanced planning stage with preliminary construction work in the nature of rock excavation, provision of utility services and cutting of pipe tunnels presently under way. When completed the unit will constitute the medical, surgical, diagnostical, isolation and infirmary group which will provide specialized medical and surgical treatment facilities for the entire Hospital.

The heart of the Group will be a Medical and Surgical Building centered on the intersection of the central corridor and the unit cross corridor. This building will be four storeys and basement in height, of brick construction trimmed with stone in accordance with the construction of the other units. On the first floor will be located the Eye, Nose and Throat Treatment Section, a Minor Surgery, a Dental Operating Room and related Recovery Rooms, Chemical, Bacteriological, Dental and General Laboratories with dispensing and related facilities such as Reception Rooms, Offices, Record Rooms, etc.

The Main Operating Suite will be located on the second floor. This unit, which is composed of clean and soiled Utility Rooms, Scrub-ups for Doctors and Nurses, Patient Preparation Room, Sterilizing and Work Room, etc., in addition to the Main Operating Room, occupies one-half of this floor, and in accordance with the best practices in hospital design is entirely isolated from the other sections. The remaining portion of the floor north of the cross corridor will provide facilities required by the X-Ray Department.

The third and fourth floors will provide eight self-contained isolation wards units for male and female patients, and, if necessary, for staff.

The basement of the building will be fully excavated and contain a Morgue with autopsy and post-mortem rooms, male and female patients' clothing rooms, locker rooms, staff locker rooms and lavatories, and general storage areas. The building will be served by three elevators extending from the basement through the four floors, and located at the intersection of the central and cross corridors.

Where in the previous units described, cross-corridors connected with the first wings on either side, in this unit the corridors have been expanded to form connecting wings. These wings will be two storeys and basements in height, and on the first floor will provide for reception centres for the male and female patients, various treatment rooms and a Physiotherapy Department. The second floor of the wings will contain Electro Encephlagraph Rooms, an eight-bed Staff Hospital, Examination and Minor Surgery Section with Doctors' Offices and Scrub-up, and apartments for Doctors and Hospital Staff whose duties may require them to reside in the Hospital.



Staff Dining Room, Servery
ONTARIO HOSPITAL, SMITHS FALLS

Staff Dining Room, Service Building
ONTARIO HOSPITAL, SMITHS FALLS



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The Wings will connect on either side with Medical and Surgical Ward Wings and two Infirmary Wings for male and female patients, providing a total of six wings with capacity of approximately six hundred beds.

Power House and Laundry Building

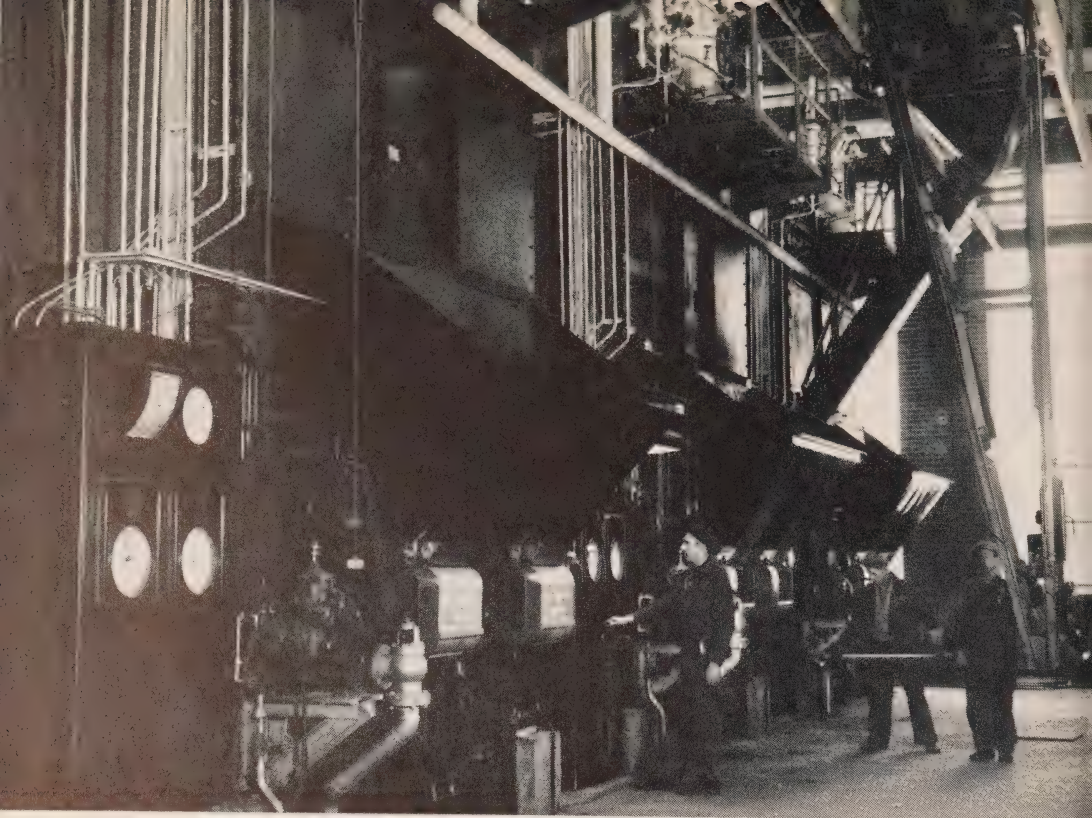
At the north end of the central corridor is located the Power House, Laundry, and Maintenance Workshops Building. While this building must be described as being in the course of construction, it will be remembered that the Heating Plant has been in operation since December 15th, 1950, a provision essential to permit occupation of the First Pavilion Group and the Service Building, while the remainder of the building is presently being prepared for the installation of laundry equipment.

The purpose of this building in addition to providing necessary heat and auxiliary power for the other buildings, is to provide workshops for the extensive maintenance required for a hospital of this size, and for the large-scale laundry operations required to serve twenty-four hundred resident patients.

The Boiler Room in general has been designed to adequately take care of the proposed hospital and with room for future expansion. Three Water Tube Boilers, each having a capacity of twenty five thousand pounds of steam per hour at one hundred and twenty five pounds working pressure, have been installed and are in operation. These are complete with automatic draft control, feed water regulators, meters, instruments, spreader stokers, and individual force draft units. All stokers and fans are designed with dual electric and steam turbine drives, thereby rendering the generating of steam independent of outside power failure. The most modern of coal handling and ash removing systems have been installed, and are operating efficiently. Coal and ash dust have been practically eliminated, and the manual handling of coal and ashes has been cut to the minimum.

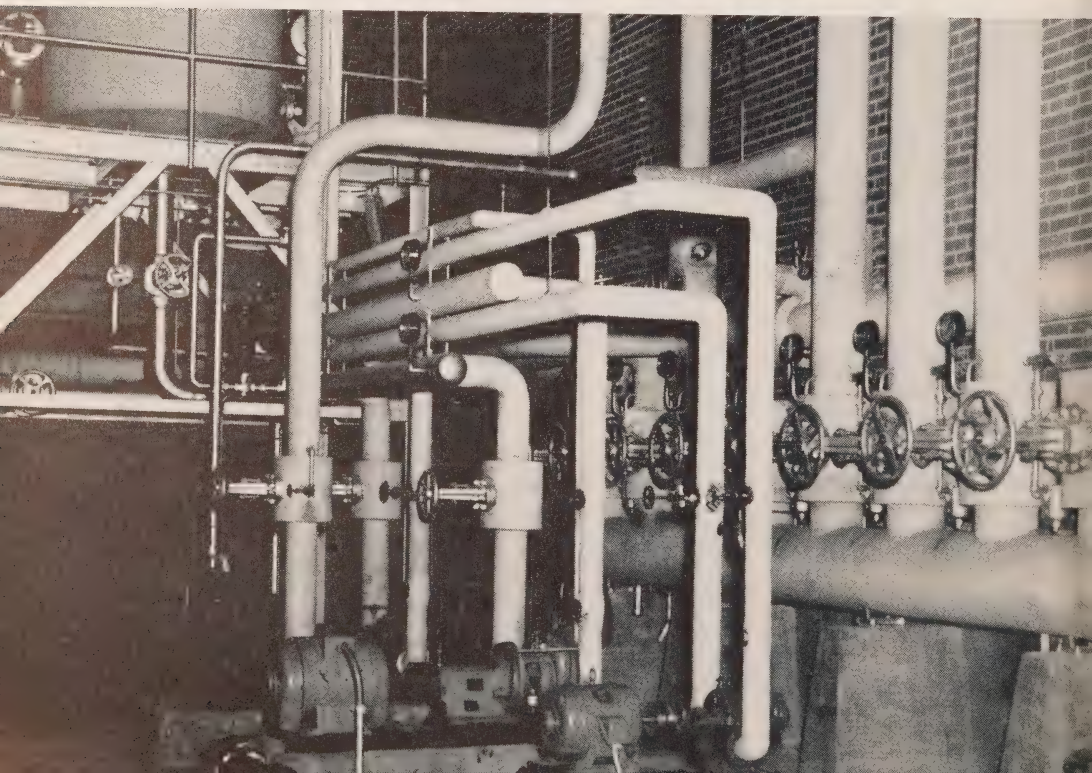
The Power Unit just described occupies the entire east end of the building, and except for connecting doors, is entirely separate from the laundry and workshop portion of the structure. The surrounding ground surface has been graded so that the basement floor level is at the surface elevation, and at this level is located the main boiler room which extends up through two floors to the roof level with an enclosed coal bunker extending above the roof level. In a sub-basement below the boiler room floor are located the boiler foundations, ash pits, the suction line and inlets of the ash-removing equipment, condensate receiver tank, blow-down tank, and the base and mechanism for a Coal-weigh Scale. On this same level and at the rear of the Boiler Room is a modern dual institutional Incinerator sufficiently large to take care of the disposal of all of the refuse and garbage of the entire hospital. Above this section, on the boiler room floor level, is located the charging room, which also includes equipment for steam washing and sterilizing of garbage pails. This is separated from the Power House by a fully enclosed driveway containing a platform scale of truck capacity, a coal-receiving hopper, and an ash gate from an overhead ash bin fed by the suction lines previously mentioned.

The main chimney has been completed and is located at the extreme north-east tip of the structure. It is of radial brick construction, one hundred and sixty-five feet high, and sufficiently large to handle the natural draft on the boilers and future additional boilers for which provision has been made.



Boiler Room, Power House, Workshop and Laundry Building
ONTARIO HOSPITAL, SMITHS FALLS

Pump Room, showing Main Steam Header, Powerhouse, Workshop and Laundry Building
ONTARIO HOSPITAL, SMITHS FALLS



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Adjacent to the Boiler Room are the Pump and Auxiliary Electrical Generator Rooms, also extending through two floors from the basement level to the roof at the top of the first floor. The Pump Room is sufficiently large to take care of the main Steam Header located at operator's height, and the boiler feed pumps, feed water heater, domestic and fire pumps, and condensate return tanks and pumps.

A Mezzanine floor over part of the Generator Room provides a Transformer Room, while a first-floor central corridor is extended to form a mezzanine to the Pump Room and give access to the upper levels of the Boiler Room and the system of catwalks connecting with the coal bunker and the overhead ash bin. Adjacent to and on the same level as the Mezzanine floors is a fully-equipped machine shop designed to serve the needs of the Power House.

The Chief Engineer's Office is located beneath the Workshop in such a manner that at all times the boilers and auxiliary equipment are under his observation. Staff Lavatories, Locker Rooms and Washrooms are located to the rear of the Chief Engineer's Office.

In the central portion of the building are located the Hospital Workshops. These consist of a paint shop, furniture refinishing shop, and carpenters', electricians', plumbers, and steamfitters' repair shops. Generally the workshops are located on the first floor level of the building and related storage rooms for each trade are located on the basement level below.

The western end of the building is reserved for the institution laundry. On the basement level generally is located the receiving and shipping section of the laundry. This consists of a soiled goods receiving and sorting room and an infected goods room with a sterilizer connecting through to a sterile goods room. The shipping portion consists of a finished goods sorting and delivery room. Also provided on this level are an electrical equipment room, a mechanical room containing a water softening unit and hotwater storage tanks of sufficient capacity to take care of all laundry water requirements, locker rooms for male and female patients and staff and general storage rooms.

On the main floor of the laundry section soiled laundry will be taken from a soiled-clothes room passed through washing and drying rooms to an ironing room, then through a series of sorting rooms where it is prepared for shipping. The washing room will be equipped with two 42" x 50" washing machines and three 42" x 84" washing machines. In addition, four 48" extractors, and one 30" extractor will be provided. The drying room will contain two blanket dryers, one 42" x 70" and three 36" x 30" tumbler dryers, and two multiple head hosiery dryers. In the ironing room there will be two 6-roll flat work ironers, twenty-four hand ironers, three steam presses, and a single roll ironer. Also provided on this floor are two laundry supply rooms, lavatories for male and female patients and staff, and two offices controlling the receiving and washing sections, and the ironing and shipping sections respectively.

An elevator in this portion of the building will provide for the movement of laundry between the first and basement floor levels, as well as the movement of materials and supplies for the workshops and Power Plant.

Generally the construction of the building is of brick trimmed with stone and glass block and fitted with steel sash. Except for the power house

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section of the building it is one-storey and basement in height with a clerestorey to serve the central portion of the ironing room and a penthouse providing for the elevator equipment. The interior walls are finished with smooth-faced tile generally. Floors are of concrete in the storage areas and terrazzo in the work areas, with the exception of the washing and drying rooms, where acid-resisting concrete has been utilized. A large shipping platform is located on the south side of the building and is protected by an overhead reinforced concrete canopy.

Garage Building

The final structure in this new Hospital Group is the Garage Building located north of the Power House and Laundry, which, it will be recalled, is located at the extreme north end of the central corridor. The Garage, which is nearing completion, is a single-storey brick building providing a floor area of approximately two thousand six hundred square feet. It contains stalls for eight institution vehicles, is fully fitted with work benches and grease pit for the maintenance of these vehicles, and necessary lavatories for staff and patients.

Water Supply and Sewage Disposal

Following the pattern adopted in recent years at other new Ontario Hospitals, the site chosen for this Hospital was influenced by the need for obtaining an adequate assured supply of controlled quality water and a modern sewage disposal system.

An arrangement was made with the Town of Smiths Falls for the supply of the water from the town's plant, and an extension was made from the town's distribution system through a ten inch main laid beyond the town limits to the Hospital.

An underground concrete water reservoir will be built to the north of the garage building to provide for storage of a reserve supply of water to be used in case of a breakdown in the connecting mains, and an elevated water storage tank will be built to provide additional storage and also to act as a surge tank on the end of the main from the Town.

The Town of Smiths Falls is now building a modern sewage disposal plant on the Merrickville Road near the Hospital and has provided for accepting and treating the Hospital sewage when completed.

Ontario Hospital, Aurora

The De La Salle School buildings, near Aurora, purchased in 1949, and remodelled to accommodate 250 patients, has been turned over to the Department of Health this year. This affords a marked relief to the overcrowded conditions existing at the Orillia Hospital which has a patient population in excess of two thousand.

Renovation work has now been completed with the exception of the installation of a new elevator, surfacing of the roofs, and the provision of an Incinerator.

In addition to the work described in the previous year's Report, a Dentist's Office has been installed on the second floor in conjunction with the

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Infirmary. This unit has been completely equipped with a dental chair, anaesthetic dispenser, instrument cabinets, sterilizer, and other miscellaneous equipment, including an air compressor to operate a Dentist's drill.

Numerous items of furniture have been provided including three wardrobe lockers and two ping pong tables installed in the Recreation Rooms on the top floor of the building. Two 34" exhaust fans were purchased to improve the ventilation in the Recreation Rooms.

Installation of equipment in the Institution laundry, located on the main floor of the Power House has been completed, and includes two washers, a tumbler dryer, extractor, flat work ironer, two hand irons, a steam and air press, sock dryer, sewing machine, and an air compressor and steam boiler to supply the respective equipment.

Three additional subsidiary buildings have been provided. A new Root House and Implement Shed have been constructed to extend storage facilities. This building, approximately 86' x 35' consists of a concrete-block, fully insulated and ventilated underground root cellar with frame-constructed implement shed providing the superstructure. A three car garage has been located behind the main building. This consists of a frame insulated superstructure on concrete foundation having a concrete floor. A tool shed is also provided in this building. A standard design Turkey Run approximately 80' x 20' consisting of half shelter and half run, located on an elevated platform has also been provided, together with Turkey Pens.

Ontario Hospital, Brockville

A fireproofing and remodelling programme in the main building started in 1949, has been conducted with the least possible interference from the operation of this hospital, and has now reached the following stages of completion:

East wing	100% complete
Central wing	90% "
West wing	40% "
Administration wing ..	20% "

This programme, while being further developed into a general expansion programme, is following the general structural pattern as detailed in the following description of the work completed in the East Wing:-

In the basement area under the wards, steel beams were inserted, bar joists were laid to bear on beams and bearing walls, the wood floors and joists were completely removed and new reinforced concrete slab floors were laid and finished with a terrazzo surface. All wood partitions, the old burlap dado and wood trim of a combustible nature were completely removed. The interior of the building was remodelled to provide wards, treatment rooms and facilities of the most modern standard, and the interior completely refinished. Old wooden panel doors which were badly scarred were sanded and covered with birch veneer finished in red maple and fitted with aluminum kick plates. The attic ceilings were not removed but covered underneath with $\frac{1}{8}$ " asbestos board, fire-resistant gypsum board and plaster and the beams filled with fire-resistant rock wool insulation. Old natural flow ventilators and ventilating chimneys which ran from



Patients' Lounge in renovated section of Main Patients' Building

ONTARIO HOSPITAL, BROCKVILLE

basement through all floors to exhaust at the roof level were removed, the openings sealed and the space utilized to recess new heating convectors. Materials where possible were salvaged and re-used. The heating, plumbing, electrical and communication systems were completely overhauled during the reconstruction and renewed, improved or extended as required. The work was taken one floor at a time as the patients from the ward affected were of necessity moved into other occupied wards, and although the progress of the work naturally suffered, it was essential to keep overcrowding to a minimum.

Among the new facilities provided throughout the remodelling of this wing were a new treatment room with glazed tile dado; new nurses' washrooms on each floor; a radio and public address system serving the solarium and connected to the nurses' stations for the respective floors; new sitting rooms and nurses' stations.

Fire tower stairs were constructed, one extending from the basement through four floors, designed to serve the administration wing and centre block, and one in each of the patients' wings extending from the basement to the third and top floor. Wings and centre blocks were divided by smoke barriers in the connecting corridors. Modern electric incandescent fixtures were provided and the east wing completely redecorated to provide an attractive patient wing.

In the central wing numerous provisions were necessary to provide for temporary treatment facilities while the existing facilities were being remodelled. Heavy wiring was re-arranged to permit moving of the X-Ray and Dental and Minor Surgery sections to a temporary location on the second floor of the kitchen wing. Reconstruction of the central wing similar to work conducted in

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the East Wing includes such improvements as new tile window sills, terrazzo floors, and the provision of a new elevator.

In addition to the fireproofing programme, to further relieve overloading of existing facilities for the care of mental patients, plans were prepared and work started on the construction of six new pavilions of the most modern design, providing an additional six hundred beds and increasing the capacity of this Hospital to seventeen hundred patients.

The old brick smoke stack at the rear of the Hospital building, disused since the construction of the new power plant, was demolished. On the front of the building the old wooden Solaria are being removed and the doors bricked up to provide new windows in accordance with the interior reconstruction.

Ontario Hospital, Cobourg

Work at this Hospital, though on a reduced scale compared to many of the larger institutions, still provides for many new facilities and substantial improvements to existing ones. Chief among these is an addition to the laundry, construction of which is presently underway. The primary stage of the work calls for rearrangement of existing drains and water services, underpinning of existing foundations, and construction of foundations for the new addition and the equipment it will contain. The work is progressing well, new equipment is presently on order, and it is expected that the new laundry will be in operation in the coming year.

In the main building the old hardwood floor in the patients' diningroom was completely removed, being now replaced with an attractive mastic floor tile surface laid over plywood sub-flooring. This work is nearing completion and will provide a sanitary and attractive floor in harmony with the furnishings and color scheme of the room.

Two additional shower rooms are nearing completion in the patient wings. The additions are 14'6" x 7'6" with a 9' ceiling, each containing four showers of the multiple head type with marble stall partitions, grey terrazzo floors, white ceramic tile walls finished with black trim to provide a 6'8" dado and new vapour proof lighting fixtures.

The first floor of the Hospital was redecorated.

New $\frac{3}{8}$ " oak flooring was laid over the first floor of the Superintendent's residence with the exception of the kitchen and bathroom. This was sanded and finished in a natural shade.

Ontario Hospital, Concord

The exterior of the Main Building, Staff Residence and Farm Residence were painted during this fiscal year. In addition, terra cotta tile was installed in one bathroom floor and other repairs made as required. A new wire fence suspended on steel posts is being constructed along the front boundary of the Hospital. This work is now approximately 50% completed.

Ontario Hospital, Fort William

A new water system has been installed to provide more adequate service, and, combined with the installation of Fire Hydrants, to give additional pro-

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tection in case of fire. A seven hundred and fifty Imperial gallon per minute Fire Pump was installed for the existing well. An eight hundred and fifty gallon underground Storage Tank was buried nearby to supply the gasoline engine-powered Fire Pump. A fifty Imperial gallon per minute electrically driven Domestic Pump was also installed. A system of 6" and 4" Watermains was laid throughout the grounds to supply all buildings, and nine Fire Hydrants were located at strategic points in the grounds. Provision was also made for stand-pipes in the buildings.

The roof of the main building was completely resurfaced with a felt and gravel bonded roof and additional work is being conducted on the gutters and downpipes.

Work of a similar nature is proceeding on the roof of the Piggery.

The concrete walls in the Boiler Room were repaired and other miscellaneous projects undertaken.

Ontario Hospital, Hamilton

A programme to fireproof the Main Hospital Buildings started in 1949 is being continued in progressive stages so as to avoid as far as possible the disruption of patient occupancy and Hospital routine. The past year's work included reconstruction of third floor Wards 8 and 9 in the same manner as in the previous year's Report. In addition, fireproof tile floors have been laid in rooms of other wards.

One new structure, a shed to provide sanitary storage of garbage, was constructed adjacent to the Main Building.

Included in the numerous maintenance projects conducted at this Institution were: repairs to the main kitchen, re-roofing of the skating rink, general repair and partial reconstruction of the drive shed and stable at the Hickory Farm, construction of partitions to provide offices in the Lecture Room of the old Amusement Hall, re-shingling of the farm root-house, and general repairs and overhauling of electrical circuits.

A number of window and door grilles were constructed and installed.

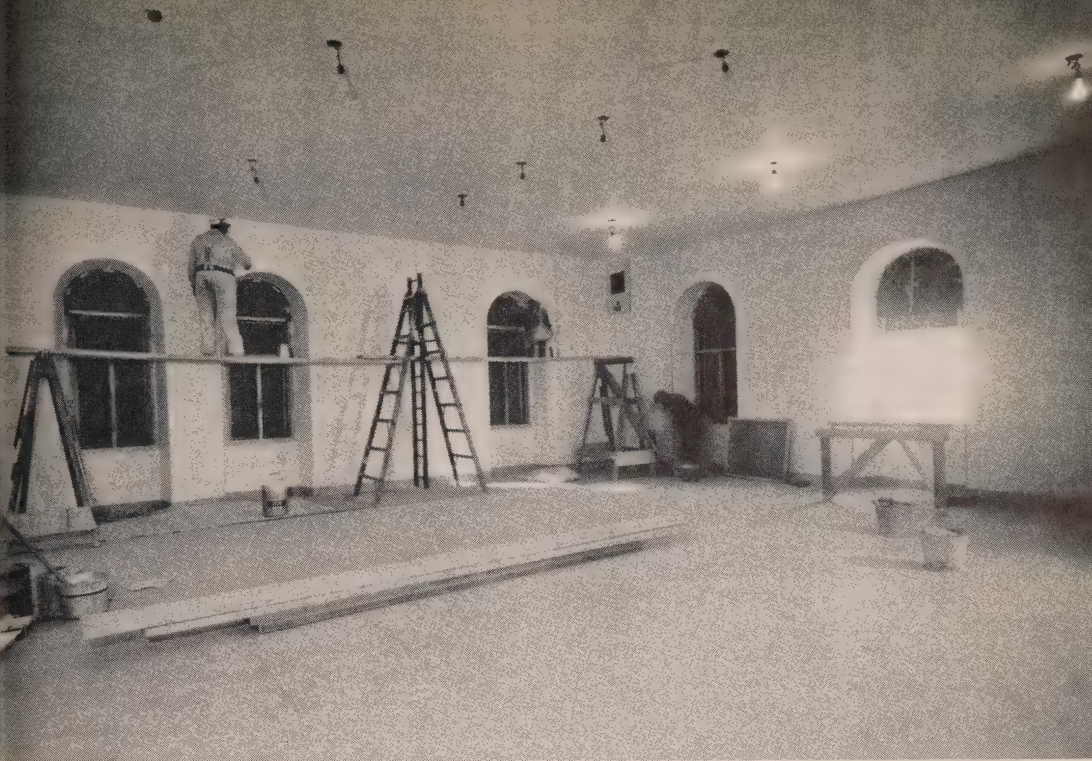
A new boiler blow-down tank provided by Department of Public Works, along with all necessary piping, fittings and valves, is presently being installed and general repairs are being made to the settings of six boilers.

Ontario Hospital, Kingston

A fireproofing programme started in 1948 has been continued and excellent progress made.

Stage 1 - which included installation of an elevator, fire stair tower, and the complete renovation of the centre portion of the main building, was completed in 1950.

Stage 2 - which includes a similar treatment of the patients' and staff dining rooms, the administration offices, the dispensary and records and files room, was completed in this last fiscal year, and work is now well under way on



Fire-Proofing Patients' Wards

ONTARIO HOSPITAL, KINGSTON

Stage 3, which covers the ward sections of the main building. The method of fire proofing is similar in nature to that conducted in the other hospitals in past years. Old wood floors are being removed and replaced with fire-resisting concrete and terrazzo floors. Wood stairs are being replaced with fully-enclosed masonry fire tower stairs with access from all floor levels, and an outside exit at grade level. Interior wood trim and partitions are being replaced with material of a fire-resisting nature. This work also includes the reconstruction of the electrical system and water supply system including hydrants and fire pumps.

In preparation for the proposed overhaul of the existing water system a new auxiliary pump has been installed and an auxiliary supply conduit has been planned.

Exterior repairs to the building are continuing, being approximately 80% complete. This work, which includes the repointing of stone work, repairs to eavestroughing and down-pipes, painting, and miscellaneous repairs as required, is being conducted simultaneously from steel scaffolding which is being moved around the perimeter of the building as the work progresses. In this manner the south and east elevations have been completed, the north elevation is approximately 95% complete and work is progressing on the lower levels of the west elevation.

The foundations of the skating rink are being rebuilt. This work involves the underpinning of the building, the removal of the existing stone piers which have deteriorated throughout the years, and their replacement with concrete piers. This work is now approximately 60% complete.

Renovation of the farmer's residence was also started this year. The work

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will include reinforcing of floors, the provision of kitchen cupboards and reconstruction of the verandah.

Remodelling of the electrical distribution system which will provide a 220v 3-phase service for the Newcourt Farm has been started and is now approximately 75% completed.

In the Nurses' Residence electrical outlets have been installed for desk lamps, and an annunciator system provided in connection with doors leading to the fire escapes.

In the Mowat Division the setting on Nos. 2 and 3 boilers has been rebuilt and No. 2 boiler has been retubed. Numerous minor repairs have been performed in the institution including re-roofing of the Newcourt Cottage, the greenhouse workshop, and pig pen and chicken house.

Ontario Hospital, Langstaff

An extension programme of renovation has been conducted to the buildings of this institution. The exteriors of the Staff Residence, Farm Residence, Engineer's Residence, Pump House and Gardener's Shop were painted, and the interiors of the Staff Residence, Engineer's Residence and Farm Residence completely redecorated. New roofs were installed on the Superintendent's Residence, Farmer's Residence and the garages. Repairs were made to the roofs of the Engineer's Residence and the pig pen. On all these buildings the gutters, down pipes and roof flashings were repaired or replaced, as became necessary. A six foot sidewalk approximately three hundred feet long was laid to connect with Kitchens Nos. 1 and 3. The interior of the old Farm House which for many years has been used for root sorting and storage was also repaired as required.

In an effort to improve the institution water supply, ten test holes were sunk in various locations on the property, with unsatisfactory results. It was then decided to renovate the existing well where possible. Work consisted of the re-acidizing of the Well in an attempt to consolidate the water bearing sand strata. This method proved successful and the existing pump was completely overhauled and replaced.

Ontario Hospital, London

As described in last year's Report the alterations to improve fire precaution facilities in two Patients' Cottages and Nurses' Residence have been completed. An outside steel fire escape on each of these buildings has been constructed to serve all floors and the attic. New doors were cut to open upon the fire escapes, and relative corridors were fire-proofed by installation of concrete floors laid over steel bar joists, plastering, and installation of calamien doors. Lighting in the corridors was improved and extended to serve the outside fire escapes.

In addition, and in response to a report submitted by the Ontario Fire Marshal, two food hoist shafts extending from the ground floor kitchen to the Wards in the main building were lined with sheet metal.

The existing laundry water supply service was improved by the provision of four hundred and fifty feet of underground 4" cast iron waterpipe from

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the supply main at the existing storage tank and connecting to the existing laundry service. This main will provide full water pressure at all times to the laundry and replace a former 3" main which was disconnected.

In the male portion of the building the floors of three dining rooms have been converted to a terrazzo surface by removing the finished flooring, patching the double under-floor, and the laying of two inches of terrazzo over steel reinforced fabric.

The telephone intercommunication system, for which a telephone and information office was provided last year, has been installed. A counter was installed in the office of the Secretary to the Bursar to prevent petty pilfering.

Six bed-pan sterilizers have been installed, four in the main building and two in the administration building. These fixtures were provided by the Federal Government, with all piping, fittings and labour of installation being provided by Ontario Department of Public Works.

In the Nurses' Home a new bathroom was provided as an adjunct to the Supervisor's quarters. Work consisted of the rearrangement and construction of partitions and installation of standard three-piece bathroom fixtures.

A complete overhauling of the water pumping system was made. The existing pump was removed and entirely rebuilt. The oil line in which the drive shaft operates was replaced and a new electric motor provided and installed in conjunction with the Hydro change-over from twenty-five to sixty cycles. An existing hot water storage heater supplying the laundry was removed and two new hot water storage heaters with all controls were installed on the ground floor of the laundry.

Work is progressing on the complete resetting of the steam heating boilers. In this work four boilers have been completed, and work is continuing on the remaining two.

To eliminate existing overloading conditions work is progressing on the replacement of obsolete and overloaded electrical control panels. This work includes the running of new feeder lines to the present load centres.

A progressive programme of roof repairs is continuing. On the carpenters' house existing shingles were removed, the roof repaired where necessary, and recovered with asphalt shingles. A similar work was conducted on the farmer's house and canning building. Broken and missing slates on the roof of the main building are being replaced.

A new low wood fence fixed on concrete piers has been constructed to replace the high wooden fence around the Womens' Recreation Courtyard.

Ontario Hospital, New Toronto

An extensive programme of fireproofing similar in nature to that being conducted in the Ontario Hospitals at Brockville and Kingston has been inaugurated in the Hospital at New Toronto. Cottage Number 5 was renovated and fireproofed in 1949. Stage 1 of the new programme consisting of fireproofing of Cottage B was completed in March of this year. The work consists of the complete removal of all combustible material in the interior of the brick structure.

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The main exterior walls and bearing walls were repaired and strengthened as deemed necessary. New reinforced concrete floors are constructed and fireproof tile and plaster partitions are installed to provide the necessary subdivisions. Wooden door frames are replaced with fire-resisting steel door frames and the wood trim completely eliminated by the use of plaster bullnose trim. Floors are finished either in Terrazzo or Tile in accordance with the proposed use of the area. This work also involves the replacement of all heating and plumbing piping, together with the renovation or replacement of plumbing and heating fixtures as necessary.

The wiring system has been completely reconstructed to provide ample capacity circuits and adequate lighting including special night lighting in the Patient Wards.

The exterior of the cottage was completely repainted, and interior decorating will be conducted by the Hospital Staff with materials provided by Department of Public Works.

Excellent progress is being made on a similar reconstruction at the Assembly Hall and Stores Building. This work, which is now approximately 25% completed, will include the erection of four new enclosed fire tower stairs, one at each of the four corners of the Auditorium.

Numerous repairs of a minor nature conducted as required throughout the other buildings include general repairs to roofs, to overhaul of the dining-room ventilating system in Cottage A, and repairs to plastering, tile dados and floors.

One Reach-in Refrigerator has been provided for the main Kitchen and additional Refrigerators are on order.

In the Laundry a new Water Softener has been provided and temperature regulator installed for the Domestic Hot Water Tank. Two 40-gallon domestic hot water tanks were replaced, one in the Assistant Superintendent's Residence located at the gate, and the second in the Engineer's Residence at the Boiler Plant. In addition, numerous 3" and 4" hot water main branches and circulating lines located in the heating tunnels serving the various buildings have been replaced.

The system of roads serving the institution were oiled to prevent the spread of dust.

Ontario Hospital, Orillia

Plans have been prepared and work started on construction of a fire-proof extension to the kitchen and dining room, to be located at the north-west corner of the Storage Building. The new addition will be approximately 36' x 22', one storey and basement in height, of red brick with concrete floors and roof, steel sash and frames, and will contain a new vegetable preparation room and provide additional kitchen facilities.

The fireproofing program in Cottages "B" and "L" has been continued. Three fire tower stairs are presently under construction, two being located in the extreme ends of Cottage "B" and the third in Cottage "L". The fire tower stairs extend from the basement through three floors with an opening at the top into

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the attic area equipped with a steel ladder and standpipe to provide ready access in case of fire. Walls are entirely enclosed with brick. Floors are of Terrazzo laid over concrete slabs. The stairways are of steel with non-skid treads and window frames and sash are of steel. Kalamien doors open from the wards at various levels and an exterior exit is provided at ground level.

In the extension of the Laundry Building which was completed last year, a new tumbler dryer has been provided and installed. In the basement of the industrial section, adjacent to the new laundry extension a new water softener has been installed, and two new steam-generated one thousand imperial gallon capacity domestic hot water storage tanks have been provided to serve the laundry.

In the Storage Building the old elevator shaft has been extended and a new freight elevator installed to serve two floors and the basement.

A start has been made on the fabrication and installation of guards for the radiators in Ward M2, Cottage "M".

The roof of the old tower on the main building was struck by lightning in the spring of 1950 and severely damaged by the resulting fire. This roof has been entirely removed and replaced with a flat deck felt and gravel roof with new brick coping of matching design to the existing structure.

The Skating Rink was entirely re-roofed, asphalt shingles being used.

Numerous minor improvements have been made or are under way. The electrical distribution system is presently being inspected and questionable wiring replaced. Eight bathtubs have been purchased and installed in the Infirmary. A 2" standpipe with four connections has been installed to provide additional protection for the industrial section. Steam and return lines serving the Superintendent's Residence, the Milk House and Calf Barns have been replaced.

Ontario Hospital, Penetanguishene

Two walk-in refrigerators were provided in the Institution kitchen. One is designed for meat storage and the second for milk and vegetable storage. In the dairy portion of the building adjacent to the kitchen a new milk-cooling unit was installed.

The re-building of the electrical distribution system is continuing and plans are being prepared for the fireproofing of portions of this Hospital.

Ontario Hospital, Port Arthur

Construction of a new Mental Hospital in Port Arthur to serve the north-western part of the Province was started in 1950, and is expected to be in operation by the summer of 1952. This Hospital will provide accommodation for four hundred and sixty patients and will have the added advantage of providing for female patients who are presently of necessity sent to hospitals in Southern Ontario. The new Hospital is located on Algoma Street North in the vicinity of the present General Hospital.

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The buildings presently under construction include two Pavilions for male and female patients, a central Kitchen and Reception Wing, Connecting Corridors between these buildings and an existing Administration Building, and a Power House of sufficient capacity, suitably located to permit further contemplated expansion.

The buildings are of red brick with concrete foundations, reinforced concrete and tile floors, and tile partitions, incorporating all modern design features which will provide a hospital of the highest standards.

Storm and sanitary drainage systems connecting with the town system are about 70% complete and a watermain from the town system has been carried to the property.

Ontario Hospital, St. Thomas

Landscaping of the Institution grounds, including the planting of trees and shrubs according to a plan prepared by the Ontario Agricultural College is being continued by the Ontario Agricultural College with the assistance of the Hospital maintenance staff. In addition, five hundred and seventy-five rods of farm fencing was constructed by Department of Public Works.

Furniture consisting of dressers, beds, chairs, rugs, mirrors, etc., have been supplied for approximately one hundred and twenty-five rooms in the Nurses' Residence. In addition, twenty-six tables for linen sorting were constructed by Department of Public Works at the Downsview Workshop and supplied to this Institution.

The extensive programme of repainting metal window grilles and the exterior surface of steel window sash has been completed. This programme which was progressive over a period of four years involved the painting of over five thousand windows.

A foundation has been constructed in preparation for the moving of a temporary building located on the hospital property and taken over from Department of National Defence in 1946.

Ontario Hospital, Toronto (999 Queen Street West)

An extensive programme has been undertaken this year to protect the century-old building against the hazards of fire. Two new 8" watermains have been constructed to supplement the two existing 6" mains. All four mains are connected to twin 12" mains of the City of Toronto Water System on Queen Street. The integrated system has been so designed as to form a loop around the main building with branches off to auxiliary buildings. The new construction consisted of thirteen hundred and forty feet of 8" C. I. Main, and fifteen hundred and twenty-five feet of 6" C. I. Main.

Ten additional Fire Hydrants were installed to supplement the existing hydrants. Hydrants are located at the front, rear and sides of the main building and in the recreation areas between the wings and the workshop block. Other hydrants are located so as to give protection to Cottage "A", and workshops and storage buildings, Nurses' quarters, Gardener's residence, Cottage "B", and the boiler house, laundry and kitchen building.

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Work is now proceeding on the installation of a Fire Alarm System for all buildings. This will be a dual-purpose system consisting of unit detectors in inaccessible and seldom-used areas, and manual stations located in the wards, halls, Nurses' stations, and the various work areas, with connections to strategic points such as the boiler room, switchboard and city of Toronto Fire Department.

Extensive plumbing installations have been made in the past year. Hot and cold water and steam lines and all necessary waste and vents were connected to a number of instruments and water sterilizers in the Operating Room.

Similar work was done to connect a washbasin, sink, etc., in the Dental Office.

Three water closets and two lavatories were installed on the first floor for staff use, while six bed pan sterilizers were installed, one on each floor of the east and west wings.

Approximately ninety-seven feet of the old brick fence at the rear of the building, which had collapsed, was rebuilt in wood construction, while ninety feet of fence in a disintegrated condition was demolished and a wooden fence extended.

Psychiatric Hospital, Toronto

During the past year a number of improvements and repair projects have been conducted in this building to improve existing facilities or maintain the structure in good repair.

A Nurses' sitting room located on the third floor of the building was converted for use as a Library. Two laboratory sinks were installed and a new sink provided for the Autoclave Room. Work is progressing on the renewal of hot water pipes and this work will include the installation of a new hot water tank and circulating pump. New drains were installed, and the existing drains re-arranged to provide separate storm water and sanitary connections from the building to the City of Toronto sewerage system.

Ontario Hospital, Whitby

The main road leading from Victoria Street to the Ontario Hospital (Anne Street) has been completely resurfaced with asphalt during the past year. To overcome flooding occasioned by the high water levels of Lake Ontario in recent years, the road grade was raised approximately eighteen inches.

Terrazzo floors are presently being laid on the first and second floors of the Pavilions and Infirmary. In the Stores Building new refrigeration equipment has been installed to replace a worn out ammonia plant.

An extensive programme of re-roofing and replacement of sheet metal work was carried out on the Amusement Hall, Infirmary and Power House, and numerous repairs are being made to the existing Spanish Tile roofs on other Hospital buildings.

Eight hundred and eighty feet of 8" tile was laid to provide additional drainage, and numerous other minor improvements and repairs have been made.

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Ontario Hospital, Woodstock

A number of minor improvements have been made in the Tuberculosis Division of this Hospital during the past year. Structural alterations to provide a Beauty Parlour and Physiotherapy Centre have been completed. In the Clinical Suite a new sink was installed and improvements made to the lighting. In the Reception Building structural alterations were made to provide additional office and laboratory space. All work has been completed with the exception of the addition of an Incubator room to the laboratory.

Numerous repairs to the building have been made or are presently being conducted. Pointing of brick and stone work is continued. Two new stokers have been installed by contract in the boiler room. In the Epileptic Division a new roof is being constructed over three hundred feet of corridor leading from the male side of the Epileptic Division to the dining room. All structural work has been completed and the resurfacing of the roof is being continued.

Verandahs on Cottages 1 and 2, and A and B are being completely reconstructed. The work includes the provision of new wood columns and cornices and new roofing.

Eight bedpan sterilizers, provided by the Federal Government, have been installed by Department of Public Works in the Epileptic Division. In addition, X-Ray equipment, likewise provided by the Federal Government, is on hand, and on completion of the change-over of this Hospital to sixty cycle, will be installed in the X-Ray room of the Tuberculosis Division.

Examination of Plans For the Department of Health

Co-operation was given to the Department of Health in their work with the Hospitals operating in the Province of Ontario. The following is a list of the Institutions concerned and the action taken in each case.

General Hospitals

Barrie

Royal Victoria Hospital

Plans for a proposed new memorial wing were examined, revisions recommended, and revised plans recommended for approval.

Bowmanville

Memorial Hospital

Plans were examined and revisions recommended.

Brampton

Peel Memorial Hospital

Assistance was given in the design of proposed Nurses' Residence.

Brockville

St. Vincent de Paul Hospital

In conjunction with the Ontario Fire Marshal the building was inspected and report prepared on elimination of fire hazards.

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Collingwood
General Marine Hospital

Plans for proposed Nurses' Residence and minor alterations to the Hospital were examined and recommended for approval.

Exeter
South Huron Memorial
Hospital

Plans for this proposed hospital were examined, revisions recommended, and the revised plans recommended for approval.

Fort William
McKellar General Hospital

Assistance was given in the planning of a proposed addition and alterations to the existing building.

Fort Frances
LeVerendrye Hospital

Plans for this proposed hospital were examined and revisions recommended.

Hamilton
St. Joseph's Hospital

Plans for a proposed Maternity Wing were examined. Subject to revisions being made these plans were recommended for approval.

Kitchener
Kitchener-Waterloo Hospital

Plans for a proposed addition were examined and approval recommended, subject to proposed revisions.

London
Victoria Hospital

Plans for a proposed extension were examined and, subject to revisions being made, recommended for approval.

Midland
St. Andrew's Hospital

Assistance was given in the planning of proposed Surgical and Maternity Wing.

New Liskeard
Lady Minto Hospital

Assistance was provided in the establishment of this Hospital by an examination of an existing building, the preparation of a report and an estimate of cost of its conversion to a hospital. Plans, as prepared, were recommended for approval.

Niagara-on-the-Lake
Cottage Hospital

Plans for a proposed new building were examined and revisions requested.

Ottawa
General Hospital

Plans for a proposed 482-bed addition were examined and revisions recommended.

Ottawa
General Hospital

Plans for a 28-bed Emergency Ward addition were examined and recommended for approval.

Ottawa
St. Louis de Montford
Hospital

Plans for this proposed hospital were examined and revisions requested.

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Ottawa Ottawa Civic Hospital	Plans for the proposed 78-bed "East-lawn" Pavilion were examined and approval recommended.
Palmerston General Hospital	Plans for a proposed addition were examined and revisions requested.
Penetanguishene General Hospital	Plans for a proposed new hospital were examined and revisions requested.
Peterborough St. Joseph's Hospital	Plans for a proposed extension were examined and revisions requested.
Port Arthur St. Joseph's Hospital	Plans for a proposed addition were examined and recommended for approval.
Port Perry Port Perry Hospital	Additional assistance was given in the planning of this proposed hospital.
Renfrew Victoria Hospital	Assistance was given in the planning of hospital details.
St. Catharines General Hospital	Plans for a proposed new wing were examined and approval recommended subject to proposed revisions.
St. Thomas Elgin General Hospital	Plans for this proposed new 309-bed hospital were examined, revisions requested and the revised plans recommended for approval.
Smiths Falls St. Francis General Hospital	Plans for a proposed addition and alterations to the existing building were examined and revisions requested.
Sioux Lookout General Hospital	Plans for a proposed new hospital were examined and approval recommended subject to proposed revisions.
Sudbury Sudbury Memorial Hospital	Plans for a proposed new hospital were examined and revisions requested.
Tillsonburg Soldiers' Memorial Hospital	Plans for alterations to existing building were examined and approval recommended subject to proposed revisions.
Toronto Toronto General Hospital	Plans for alterations to the 9th floor of the Private Patients' Pavilion were examined and approval recommended subject to proposed revisions.

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Toronto Hospital for Sick Children	Plans for a proposed Internes' Wing were examined and approval recommended, subject to minor revisions.
Toronto St. Josephs Hospital	Plans for a proposed addition to the Nurses' Residence were examined and revisions recommended.
Toronto Mount Sinai Hospital	Plans for the new hospital were examined and approval recommended subject to proposed revisions.
Toronto St. Michaels Hospital	Plans for a proposed Nurses' Residence were examined and approval recommended.
Toronto Wellesley Hospital	Plans for a proposed Nurses' Residence were examined and revisions recommended.
Toronto Women's College Hospital	Assistance was given by the preparation of an estimate of cost for a proposed new Nurses' Residence.
Trenton Trenton Memorial Hospital	Assistance was given in the preparation of a report on fire precautions for this building.

Hospitals for Incurables

Kingston St. Mary's-on-the-Lake	Plans for a proposed addition were examined and revisions requested.
London Parkwood Hospital	Plans for a proposed addition were examined and revisions requested.
Ottawa St. Vincent Hospital	Plans for alterations to the existing building and a proposed 313-bed addition were examined, revisions were requested, and the revised plans recommended for approval.
Windsor East Windsor Hospital	Plans for a proposed Nurses' Residence were examined and revisions recommended.

Sanatoria for Consumptives

Hamilton Mountain Sanatorium	Plans for the proposed Holbrook Pavilion were examined and approval recommended subject to minor revisions.
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DEPARTMENT OF HEALTH

London

Beck Memorial Sanatorium

Plans for the provision of additional fire exits were examined, revisions requested, and the revised plans recommended for approval.

St. Catharines

Niagara Peninsula Sanatorium

Plans for a proposed addition were examined and approval recommended, subject to minor revisions.

Sudbury

Sudbury and Algoma
Sanatorium

Plans for the new hospital were examined, revisions requested, and the revised plans recommended for approval.

Weston

Toronto Hospital

Plans for an extension to the Medical Building were examined and approval recommended subject to proposed revisions.

Private Hospitals

Ancaster

Proposed Private Hospital
Mrs. R. Moffat

An inspection was made of an existing building and report listing required alterations prepared.

Brantford

Anderson-Stover Rest Home
(proposed)

An inspection was made of an existing building and a patient accommodation schedule and report listing required alterations were prepared.

Beamsville

Proposed Rest Home
Mrs. M. H. Brown

Plans of an existing building were examined and approval recommended, subject to required alterations.

Brocks Beach

"Fairley" Private Hospital

Plans of an existing building were examined and approval recommended, subject to required alterations.

Caramat

Marathon Paper Mills
Infirmary (proposed)

Plans for a 10-bed Infirmary were examined and approval recommended.

Coldwater

Emqua Lodge

Inspection was made of an existing building and a report prepared listing required alterations.

Fonthill

Devonia Convalescent
Hospital

Plans of an existing building were examined. A patient accommodation schedule and report listing required alterations were prepared.

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Hamilton Salvation Army Infants Home	An existing building was examined and a report prepared listing required alterations for its conversion to a Children's Convalescent Hospital.
Hamilton 68 Charlton Ave. West, M. Schenkel	An existing building, proposed for use as a private hospital was inspected, and a patient accommodation schedule and report listing required alterations were prepared.
Hamilton 127 Wentworth St. South, Mrs. F. MacKenzie	An existing building was inspected and approval recommended subject to required alterations.
Huntsville Mrs. B. Clarke	Plans for a proposed nursing home were inspected and report submitted.
Iroquois Williamson Nursing Home	Plans for a proposed nursing home were inspected and report submitted.
Jamestown Lady Dunn Hospital	Plans for a new hospital were examined, revisions requested, and revised plans recommended for approval.
Kemptville Coleman Nursing Home	An existing building was inspected and report submitted.
Lindsay Lindsay Convalescent Home	A patient accommodation schedule was prepared.
London Rogers Private Hospital	A patient accommodation schedule was prepared.
London 507 Queens Avenue South, Mrs. E. Myers	Plans for the conversion of an existing building for use as a private hospital were examined and report submitted.
Mount Pleasant "Brucefield Manor"	An existing building was inspected and report submitted.
Lanark Proposed Nursing Home	An existing building was inspected and report submitted.
North Gower Proposed Nursing Home	An existing building was inspected and report submitted.
Peterborough Sculthorp Nursing Home	Plans for the proposed conversion of this Nursing Home for use as a Private Hospital were inspected and report submitted.

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Rouge Hills

Mr. D. Ferrier Nursing Home

An existing building was inspected and report submitted.

Toronto

Shouldice Surgery

Plans for proposed addition to this hospital were inspected and approval recommended. A patient accommodation schedule was prepared.

Wallaceburg

La Pointe Private Hospital

An existing building was inspected and approval recommended subject to required alterations.

Windsor

Taylor and McMaster
Nursing Home

Plans of an existing building were inspected and report submitted.

For The DEPARTMENT OF HIGHWAYS

Co-operation was given to the Department of Highways in the matter of preparing working drawings; specifications and sketches for new or alteration work and in the preparation of studies for development of future projects as required.

Work carried out this fiscal year was as follows:

Gravenhurst

Plans and details of construction were made for the erection and completion of Scale House on the property of the new Fruit Inspection Station on Highway No. 11 just south of Gravenhurst. The Scale House was designed to conform to the exterior elevations of the Fruit Inspection Building, which was constructed with log-siding to be in keeping with the beauty of the Muskoka district.

Port Hope

Plans were made for renovations and re-arrangement of the offices in the Division Office Building.

Standard Paint Shop

Plans, elevations and details were completed for a Standard Paint Shop to be built in the various divisions to take care of the brush and spray painting of Department of Highways vehicles, signs and other equipment.

The building has a separate room from the general shop for the spraying of vehicles; office space, boiler room and lavatories are included.

The building is designed of concrete block with brick trim, steel beams and metal sash.

Paint Shop, Winona

Plans and specifications for a new Forced Air Heating installation were made after a proper survey. The new heating system is to replace a small inadequate heating unit taken over from the Air Force.

Shelters for Fruit Stands - Queen Elizabeth Way

A design and construction details were made for standard shelters for drive-in Fruit Stands to be erected by the Department of Highways on the Queen Elizabeth Way.

Sudbury - Department of Highways Garage and Workshop

A survey was made of the heating system serving this building with a view to making improvements.

New Liskeard - Department of Highways Building

General repairs were made to the building heating system.

For The Department of Lands and Forests

Algonquin Park

A suitable entrance to Ontario's famous Algonquin Park has long been desired. As early as 1946 plans were prepared for this structure, but due to shortages of material and labour it was not until the Fall of 1950 that the work was started. Excellent progress however is now being made, and it is hoped by the Summer of 1952 that the many tourists visiting the Park will be able to enjoy the benefits provided by this beautiful building.

Extensive research preceded the formulating of the design for this building and the Museum Building which is being constructed in conjunction with the Entrance Gate. It is intended that these buildings should be an integral part of and truly representative of the indigenous topographical features and flora and fauna of the Park. A study was made of photographs of public buildings in all National Parks in Canada and the United States to ensure that there would be no duplication of design and that the buildings would be truly unique. In conjunction with the Park Foresters a survey was made to ascertain materials available, truly representative of the Park. A study was also made of the floral types to aid in the planning of the adjacent Park lands and foundation plantings which it was intended would contain only plant life native to the area. Extreme care was also taken in choosing the sites for the two building groups.

The Gate which is to serve the west entrance on No. 60 Highway is approximately two point seven miles east of the Park Boundary on a high beautifully wooded plateau. In this location ample warning is given the approaching motorist, and the physical features of the Gate may be observed for approximately one-half mile on either side. The Entrance is framed by twin stone pylons pierced by pine logs from which are suspended hewn plank lettered panels, identifying the official entrance to the Park. The stone used is split granite, native to the region which comes in a variety of beautiful colours. Low stone walls swing away from the pylons in a wide ark on either side, providing ample room for a division in the road and large parking areas on either side.

The Gate House and Checking Station are located on a boulevard between the east and west lanes of the Highway. Having encompassed the parking area the stone boundary walls return to the Highway at the Gate House where they form the wings of the Entrance and Exit Lift Gates. The Gate House is a lodge-type structure with a heavy timber open truss roof, bearing on massive timber beams. The walls are constructed of the same native granite previously described, combined with heavy timbers and half-log siding. Granite flagstone laid on a 4" concrete slab form the floors of the building and extend outside to form a 5' terrace around the building, protected by the overhang of the truss roof. The flagstone is extended at both ends of the building to form curb walls. Large planting areas are formed at either end of the building by the closing of the curb walls, and similar planting areas are formed along the building walls by breaks in the terrace. The Gate House contains a public lounge with extensive window areas to amply display the beautiful view of the distant hills and forests obtained from the plateau. A large stone fireplace is located in the lounge, and washrooms for men and women and a heater room are centrally located in the building. A wide Breezeway separate the Gate House from the Checking Station

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which is constructed between two massive stone pylons pierced and joined by large cedar logs and huge timbers to form the principal architectural feature of the Gate. Smaller stone pylons are located on the opposite sides of the traffic lanes, forming in each case the second pier of the Gate and the anchor of the boundary walls. The four stone pylons are surmounted by two figures of forest animals, beautifully carved from huge pine logs by Mr. A. Patterson of Pembroke, Ontario. Large park areas extend from the main architectural features to gradually blend into the trees of the surrounding forest. Within the Park confines on either side of the Gate set close to the edge of the forest are located two Residences for the Gate Keepers and members of the Ranger Staff.

A pine-clad hill rising from the edge of Found Lake approximately twelve point two miles east of the Entrance Gate on No. 60 Highway, was chosen as the site of the Natural Museum, not only for its physical beauty but because it has for many years been the site of a Naturalist Camp, and many fine nature trails are already established and radiate from this point.

The Museum's design follows the motif already described in reference to the Gate House, emphasis on the native stone and rugged timbers predominating. The impression given by the great pine forest has been successfully incorporated into the building. A flagstone walk leads up the face of the hill to a massive stone portico formed by pierced stone columns on either side and the extension of massive timber beams overhead. Replicas of spruce trees separated by stone piers are formed by green glass enclosed within shaped cedar mullions and outlined by contrasting clear glass to adequately carry the Nature theme from the Portico through to the Lobby. The flagstone floor of the Lobby, with recessed shallow pools set at the base of the Tree Windows containing plantings of water flora and fish life, substantiates this impression.

On either side of the Main Entrance Lobby, intended for the more delicate displays, are Museum Wings fitted with Display benches and cases to hold the many Nature exhibits to be obtained within the Park. A third Wing extending to the rear of the central Lobby block will contain an Office, Library, and Lecture and Discussion Room to be used for the instruction of the general public and Nature students. Suitable washroom facilities and Utility Rooms are provided adjacent to the Lobby. A preparation Room is located in the part basement under this section.

Carey Lake - Division of Air Services

A new landing wharf was built, and construction of two cottages and workshops, on a contract basis, have been completed. The cottages are of single-storey frame construction covered with cedar grain shingles, with a fully-excavated basement. They provide, on the first floor, two bedrooms, bath, fully equipped kitchen, and large livingroom. A fully-enclosed and screened verandah is located at the main entrance. The basement provides a laundry room, large storage areas and room for the hot air furnace and necessary coal storage. The workshop consists of a single-storey frame building with concrete slab floor, fitted with all necessary cupboards and work benches.

Chapleau - Division of Air Services

Repairs as required were made to the Pilot's and Mechanic's Cottages. Work consisted of the installation of galvanized iron flashings at the base of the

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siding of the workshop, repairs and bracing to the entrance doors, caulking of the doors and windows of the workshop, repairs to combination doors and screen doors, installation of new latches, refitting of windows and doors where necessary, installation of headers where joists were cut during the installation under contract of a warm-air heating system. Plumbing was generally overhauled and extended including the replacement of sink traps, installation of a new septic tank, and laying of a one hundred foot tile filter bed. The chimneys were extended to improve the draft and concrete caps were constructed. Two coats of paint were applied to both Residences on the kitchens, livingrooms, bedrooms, bathrooms and stairways.

Eva Lake - Air Services Division

Two cottages and a workshop of a design similar to that described for Carey Lake have been erected at this location. A 15Kva Diesel Generator has been installed and an underground cable laid to supply electrical energy to all buildings. To utilize this energy the two residences, six other buildings and the dock area have been wired. Copper $\frac{3}{4}$ " water pipe was provided to carry water from the pumphouse located by the Lake to the buildings. In addition, septic tanks with tile disposal fields were installed to serve the Residences.

Geraldton - Air Services Division

Plans have been prepared and material provided for the installation of a complete water system for this station. The installation will consist of an intake from the Lake, a pumphouse containing an electric domestic and a gasoline powered fire pump, an eight hundred and thirty three imperial gallon pressure tank, fire hydrants and watermains to serve all buildings and hydrants. In addition to the above an electric generating set will be installed. Work is presently progressing on the construction of a plank deck pier.

Kenogami - Air Services Division

Two cottages and a workshop similar in design to those provided at Carey Lake have been constructed at this location. A new wharf was constructed and a road built to connect the wharf with the highway. A hydro electric system was also installed.

Ramsay Lake - Air Services Division

The cement block foundation walls of the Pilot's and Mechanic's Cottages, which were built by contract some years ago had opened up, permitting water and silt to run into the basements. The necessary repairs to remedy this condition were carried out, and consisted of excavating the foundations, coating them with two ply of pitch and tarred felt, and pouring new concrete foundation walls around the outside of the old walls. Additional weeping tile was installed to carry off the excess seepage. A retaining wall was erected along the side of the workshop to prevent soil erosion from the higher ground from building up against the side of the buildings.

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Remi Lake - Division of Air Services

New concrete piers were installed under the two existing cottages to replace the old post foundations. The front and rear porches on these buildings were closed in using salvaged sash and frames from the Department of Public Works stores at Monteith. A well was drilled and pressure pump and tank installed to provide a suitable water supply. Water was piped to the cottages, a full plumbing installation made in each building including the provision of a laundry, and all necessary drainage provided. To complete the renovations, both buildings were completely wired.

South Bay Mouth - Fisheries Research Station

Additional property has been purchased to provide a total of four point eighty-seven acres for the future expansion of this growing station. Construction of a Students' Dormitory was started by Department of Lands and Forests the previous year, using plans prepared by Department of Public Works. On August 29, 1950, construction of this building was taken over by Department of Public Works.

The building is a frame structure covered with asbestos shingles, two storeys and basement in height. On completion it will provide dormitory accommodation for twenty-four students, a self-contained four-room staff apartment, student dining room and kitchen, student day room, a large laboratory, and all necessary washrooms and utility rooms.

Exterior walls and roof deck had been erected by the time the building was taken over by this Department. Since that time the framing of the exterior walls has been reinforced and braced, interior partitions completed, windows and doors installed, and plumbing and electrical services roughed in. A built-up felt and gravel roof was completed by contract.

A prefabricated Staff Cottage has been purchased and is being erected adjacent to the Students' Dormitory.

To provide the necessary utility services a well was drilled and water obtained at a depth of one hundred and fifty-three feet. Two septic tanks with field beds were installed to serve the Staff Cottage and Students' Dormitory.

South Porcupine - Division of Air Services

Improvements were made to two cottages including the installation of new concrete foundation piers, and the closing-in of front and rear porches using salvaged sash and frame from Department of Public Works stores at Monteith. A complete plumbing installation was made including the erection of laundry and bath house and the water supply was connected. The buildings were completely wired and lighting system provided for the outside area.

Swastika - Division of Air Services

A new garage and workshop building approximately forty feet by one hundred feet has been erected at this location. The structure was erected using trusses salvaged in the dismantling of the Prisoner-of-War Recreation Hut at

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Monteith. The completed building is heated by a low-pressure steam heating system, pressure pump water system, and a septic tank and disposal bed were also installed.

Temagami - Division of Air Services

A new water pressure system has been provided, a complete plumbing installation made in the buildings, and a laundry and bathhouse constructed. Electric service was provided and all buildings wired. A new wharf was constructed and a floodlighting system to serve the wharf and outside area was installed.

White River - Division of Air Services

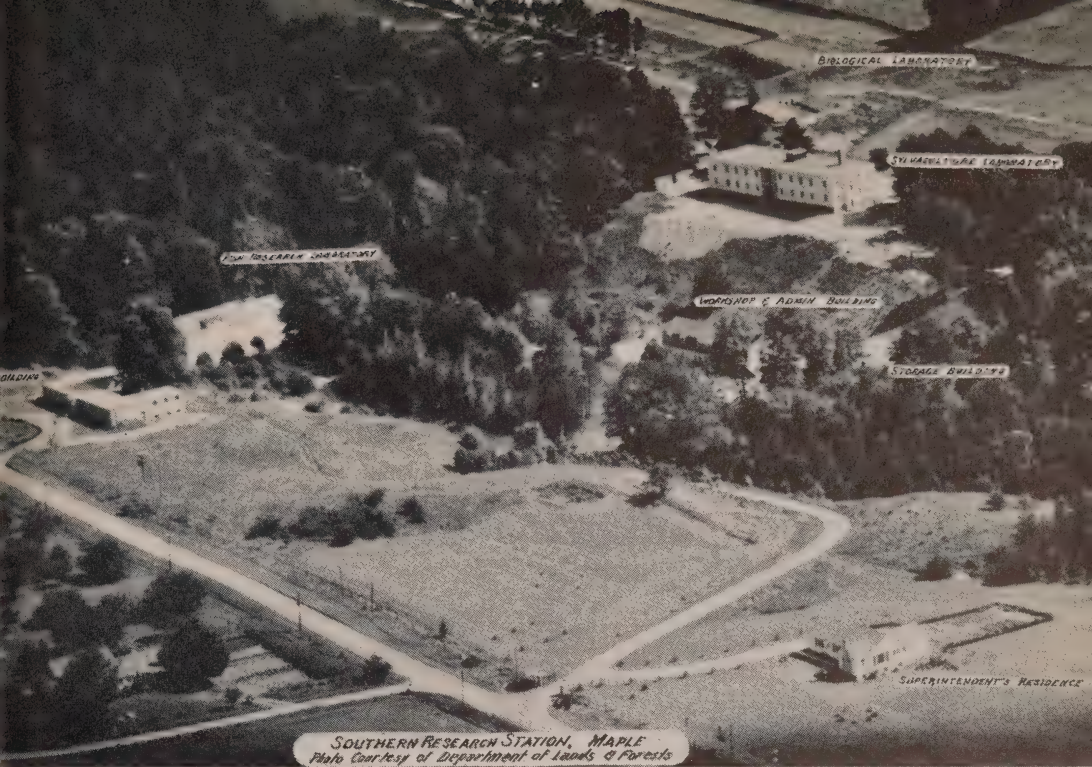
A contract has been let and work started on the erection of four two-storey houses for the Forestry Staff. A water line has been run a distance of four hundred feet from the Canadian Pacific Railway's water tank to the new buildings. Fire hydrants to protect the buildings have been provided but have not yet been installed.

Southern Research Station, Maple

A new Biological Research Building has been added to the extensive research facilities provided at this Station. This is the third major research building constructed at Maple since the Department of Public Works commenced its construction programme in 1947 to expand research facilities; the Fish Research Laboratory and the Plant Laboratory having been described in detail in last year's Report. Attractively located on the brow of the ravine overlooking the river and the other Station buildings, the new building contains six separate laboratories, but was designed primarily for research in Sylvaculture. Approximate dimensions of the structure are 44'8" x 136'0". Built on two floors with fully-developed basement, this provides over eighteen thousand square feet of floor space. Generally, it is of frame construction with bar truss joists, a flat roof of felt and gravel, and finished on the exterior elevations with fire-resistant asbestos shingle siding.

The interior design is basically simple with the various rooms and laboratories entering onto a through corridor which extends the length of the building on each floor to connect with enclosed stairs of the fire-tower type located at the two extremities of the building, with exits to ground level. An impressive main entrance is located at the front or west side of the building overlooking the valley, and leads to the main floor offices.

On the basement or ground floor is located the main Sylvaculture Laboratory suitably equipped with laboratory work benches and fume chamber. Adjacent to this are located a soil sample and chemical storage room, two cold rooms providing a total of one hundred and ninety square feet of refrigerated floor space, a fish holding room, an autopsy room and an equipment storage room. At the north east corner of the basement floor is an attractive staff lunch room designed to seat fifty-two persons. A kitchen wall at the south end of the lunch room is equipped with suitable cupboards, sink, hot plate and refrigerator



for the comfort of the members of the staff, who, because of the rural location of the Research Station are required to eat their mid-day meal on the premises. Elsewhere on the basement floor are located a washroom, a carpenter shop, and the boiler room containing two stoker-fed, coal-fired boilers supplying to the convector heating units throughout the building.

On the first floor are located ten offices for use in conjunction with the laboratories, three fully equipped laboratories, a large library and washroom.

The remaining two laboratories are located on the second floor along with draughting room, dark room, ten additional offices and conference room, women's rest room, and a washroom.

This building is now complete with the exception of some minor alterations for specialized work and the provision of special equipment.

A second structure completed during the fiscal year was a storage building designed to house the staff commuters' Bus and provide winter storage for Department of Lands and Forests vehicles. Construction utilizes the laminated "Timberribs" and provides a building similar to that of the Quonset design. On the main floor is located the main garage, a repair stall fitted with grease pit, and a Surveyor's room equipped with suitable shelves, racks and cupboards. A mezzanine floor formed by bar truss joists bearing on wood partitions provides additional equipment storage space. The overall dimensions of the building are approximately 90' x 40'.

All necessary extensions to watermain and the electrical system have been made to serve the new Biological Research Building and the Storage Garage.



Rearing Tanks

DORION FISH HATCHERY

Trout Ponds

DORION FISH HATCHERY



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Dorion Fish Hatchery

At the request of Department of Lands and Forests, the three remaining parent trout ponds of earth construction, each sixteen feet wide by one hundred feet long, were changed to reinforce concrete construction. These ponds are similar to the three parent trout ponds built in reinforced concrete in 1948 and described in this Department's 1949 Report.

The old Residence was plumbed and braced and the walls and roof insulated with rock wool. New eavestroughing was installed on the old Residence and the two new Residences, and the floors in these buildings and the Staff House were sanded and covered with linoleum. Foundations of the two new Residences were covered above grade with a cement wash. Cement steps to both houses were finished, and a drainage system to connect the two buildings and the Laboratory was installed. The old garage was renovated with a concrete slab floor and new shingle roof, and new doors were hung. The roof of the Hatchery and Rearing section was painted. The temporary office and bunkhouse used during the construction period were dismantled and removed. The material salvaged from these buildings were used to construct a net house well removed from all other buildings, as the nets constitute a fire hazard.

A new Transformer to take care of the heavier power requirements was installed by Ontario Hydro Electric Power Commission, and a heavy primary line was installed by Departmental Electricians to supply the refrigeration equipment, grinder and motors in the Ice and Staff houses. In conjunction with this work a new floodlighting system was installed to serve the grounds.

All areas around ponds and rearing tanks were finally filled and graded. A section of the road was widened, a culvert installed, and the roads serving the Hatchery were filled and graded.

Hills Lake Fish Hatchery

This Hatchery was first constructed in 1938 and was located at Hills Lake for the following reasons:

1. The natural springs provide a constant flow of approximately five thousand gallons of water per minute, the quality of which was found to be most suitable for the purpose of hatching and rearing Speckled Trout.
2. The nearest trout rearing station at that time was at North Bay, and it was realized that the water supply at this location was insufficient to provide for the number of fish required for the vast Northern area. In addition, considerable loss was experienced in the long land haul necessary to transport the fish from the North Bay Station to the northern lakes.
3. A gravity flow was most desirable to provide a constant flow of fresh water to the Hatchery and outside rearing tanks and ponds, and the initial cost of installing a Dam was small in comparison with the cost of building and operating a Pumping Station.

After twelve years of use it was found that portions of the concrete work had deteriorated due to exposure to the weather. In addition, flood conditions which were unknown or had not developed at the time of the original construction was causing serious damage by the flooding of the Hatchery, on occa-

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sion, to a height of three feet above floor level. Attempts to remedy the situation by widening Sunday Creek from Hills Lake to its outlets were not entirely successful. For these reasons and to provide for desirable expansion it was decided to completely renovate the Hatchery establishment. This work was started in June, 1950.

At the outset, and after careful consideration it was decided that the reconstruction should have three main objectives, with corresponding division of the work.—

Firstly, to preserve the parent trout and secure the following year's fry from the spawning of these eggs certain sections of the reconstruction work had to be completed by October 1st, 1950. It should be noted here that it requires three years to produce parent trout from eggs, and if the parent fish could be safely held, a saving of three years would be effected and the supply of eggs from these fish in October could be procured for the next Spring's fry.

Secondly, to provide the necessary water supply and facilities for the rearing of the fry from these eggs further particular sections of the reconstruction had to be complete by May 1st, 1951.

Thirdly, the completion of the balance of the work as soon as possible thereafter.

As steady labour and proper working staff was essential to the completion of the work within the time of the objectives set it was decided to provide facilities for the housing of a construction crew at the site. To this end the following temporary buildings were provided:

1. Office.
2. Large storage shed for cement and other building materials.
3. Bunkhouse.
4. Kitchen and Dining Hall.

As the reconstruction work would of necessity be continued through the winter months, considerable work was done in grading and the application of gravel from near-by gravel pits to maintain the connecting road in a suitable condition. In order to carry out the reconstruction work it was necessary to empty all ponds of fish and water and remove the stop logs from the Dam and lower the water in the pond to the lowest possible level. To make temporary provision for the five thousand parent trout in the ponds suitable crates were constructed to hold the trout, and these were anchored in the river.

First Objective

The following work was completed by October 1st, 1950:

1. Water in the spring Reservoir was lowered and a coffer dam constructed with temporary wooden flume through the centre of the spillway to divert the normal flow of the springs so that reconstruction of the spillway could be accomplished. A power shovel was used to remove the broken concrete and necessary earth and steel reinforcing was placed, necessary forms built, and concrete poured to reconstruct the spillway. This spillway is 10'6" wide by 70' long and 14' high at the centre.

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2. At the same time the water supply outlet from the springs to the main supply flume was entirely rebuilt in reinforced concrete. This outlet is 12' wide by 18' long by 8' high.

3. Due to the deterioration of the old concrete work the first sixty feet of the main water supply flume from the outlet at the springs was reconstructed. The flume is 4'4" wide by 4' deep.

4. On completion of the above concrete work a power shovel was used to rebuild the earth work of the Dam which includes the spillway outlet and supply flume connections through the Dam.

5. In the remaining eleven hundred and ninety feet of concrete flume approximately one hundred patches were made, and small sections were rebuilt so that it could be put into service. New connections were constructed to provide for two new parent trout ponds.

6. Construction of a new spawning tank 16' wide by 100' long in reinforced concrete was completed about September 15th. This is located at the upper end closest to the water supply flume. The reinforced concrete spillover and drain from the spawning tank to the River with all necessary backfill was completed about October 6th and ready for the transfer of the parent trout from the River to the new spawning tank. The fish were then transferred in ample time before spawning, about the middle of October, and the construction programme to that date was therefore successful in meeting the requirements and objective set. In this accomplishment three years' time was saved by the preservation of the parent trout as well as the entire season's supply of eggs from which approximately one million fry were hatched at North Bay, which was of sufficient capacity for the hatching, but not for rearing. Only one year's distribution was missed due to the expediency under which the work was executed, and this was a minimum when hatchery operations had to be suspended.

Second Objective

The second objective was to complete the ponds and water supply by May of 1951 to accommodate the fry which were at that time in North Bay. By March 31st, 1951 a substantial portion of the following work had been completed:

1. Five hundred and thirty lineal feet of reinforced concrete flume to supply water from the springs to ponds, outside rearing tanks, fish food preparation building, Manager's Residence, the new Assistant Manager's Residence when completed, and to replace the section of flume formerly constructed in wood.

2. Construction of twenty outside rearing tanks in reinforced concrete, each tank being 5' wide by 50' long and 3' deep, with individual water supply connections and valves from the flume, and also connections to the main 24" drain to the River.

3. Reconstruction of the Hatchery Building. This work provides the following changes to protect it from spring floods:

- (a) Disconnect and remove all troughs inside the Hatchery Building,
- (b) Remove all inside "V" sheathing from the walls,
- (c) Remove all outside siding and sheathing from the floor to a level four feet above same,

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(d) Cut and raise all windows so that the sills are at the new concrete wall level four feet above the Hatchery floor,

(e) Erect forms for new 8" reinforced concrete walls to a height 4' above the floor of the Hatchery and placing and welding reinforcing steel for same. In addition forms were provided for ten counterforts as additional bracing for these new walls, each 3' at base by 1' wide by 8' high all reinforced,

(f) An addition on the side of the Hatchery nearest the Rearing Tanks, a reinforced concrete sump pit 12' x 12' x 8' deep with pump house, on a reinforced concrete floor slab over sump, with walls and roof in keeping with the Hatchery, together with a 3' x 6' Extension Bay for gasoline storage tank. From this sump pit a 24" drain for all waste water and flood water was constructed to the River. In the Pump House a new automatic 4" electric sump pump and one new 4" gasoline driven emergency sump pump with manual control were installed,

(g) At each end of the Hatchery new reinforced concrete walls and steps 6' wide by 9' long with glassed-in porches over, were erected to provide access from the new higher outside finished grade level to the Hatchery floor. It should be pointed out here that the Hatchery floor could not be raised because it would then be too high for gravity flow of water to supply the troughs.

(h) A new 12" supply pipe from the flume to the Hatchery,

(i) Around the outside walls of the Hatchery 4" weeping tile was laid and connected to the drain,

(j) All outside faces of the new concrete walls from grade to the bottom were waterproofed with hot pitch felt,

(k) Replacement of all outside siding above the new concrete wall,

(l) Insulate the outside wall between studs with rock wool batts,

(m) Replace all V-joint sheathing on inside walls,

(n) Reset and connect all troughs inside the Hatchery,

(o) The entire Hatchery building was newly wired for electricity and supplied with necessary fixtures, switches and outlets,

(p) All interior walls, ceiling, and wooden troughs were given two coats of paint and the interior of the troughs were black coated,

(q) Gravel and sand fill was trucked in from the near-by pits to raise the outside grade level 4' around the Hatchery and the twenty outside Rearing Tanks,

(r) A new red asphalt shingle roof was put on the Hatchery, Pump House and Porches in accordance with the Department of Lands and Forests' standard of roof colour.

(s) All outside walls were given two coats of paint.

The remainder of the programme of new and reconstruction work will be continued, and, it is expected, completed, in the next fiscal year.

Petawawa Fish Hatchery

To complete the renovation of this Hatchery wooden sunshade covers for the outside rearing tanks were constructed and installed.

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A branch was taken from the wooden collector wall, and by means of a galvanized iron pipe, water was carried by gravity flow to a newly constructed well. New public toilets for men and women were constructed and supplied with water from this well by gravity flow. An electric powered pump, together with a pressure tank was installed in the basement of the Assistant Manager's Residence and connected with the well to provide a supply of water to both the Superintendent's and Assistant Manager's Residences.

Construction of the Superintendent's Residence was completed, together with the renovation of the Assistant Manager's Residence and two single-car garages were constructed to serve these buildings.

To provide for the storage of fish food a refrigerator unit was installed in the Ice House.

A Hydro system was installed and all buildings were provided with electricity together with all necessary outside lighting.

The main approach to the Hatchery, which was hazardous along a steep hill with a right-angle turn, was eliminated and a straight approach to the main entrance of the Hatchery was excavated through the hill with drainage ditches on both sides for surface water and finished with gravel surface. Grading of roads generally was completed, with new culverts provided where required. All grading around the outside Rearing tanks has been completed.

Westport Fish Hatchery

The completion of this Hatchery was effected through the Fiscal Year and included the following work:

Completion of the reinforced concrete spillovers in the five bass ponds and the hauling and forming of the earth banks for these ponds.

Completion of water supply lines with control valves to each pond, together with the main 24" water supply pipe line and control valve from the main Dam.

A small one-storey equipment house was built adjacent to the ponds with reinforced concrete foundation piers and floor. The superstructure is of frame construction and lined with gyproc.

All necessary grading was completed, together with a roadway from the Highway to the main Dam and around all ponds with access to same, so that fish may be shipped by truck from each pond.

The entire upper part of the property was fenced with steel posts and wire fencing.

At the lower end of the property apartments for the Manager, Assistant Manager, and Biologists were completed in the reconstruction of the old factory commenced the previous year, together with an Ice House, Septic Tank and Sewage Disposal bed.

This lower property was also newly fenced in.

A water supply line was installed from the river, together with a Chlorinator for drinking water.

For The
Department of Planning and Development

Downsview

A new Quonset-type structure has been erected for the Department of Planning and Development and is located immediately north of the Department of Highways' Storage Garage at 1200 Sheppard Avenue, Downsview. The building is semi-fabricated, using laminated wood ribs covered with corrugated galvanized iron sheeting. The building is designed for winter storage and general overhaul of vehicles used on the summer conservation surveys conducted by the Department of Planning and Development. The major portion of the building is devoted to winter storage of these vehicles. The western end of this structure has been developed to provide for the repair section. Included among the facilities provided in this section is an overhead power hoist for the removal of vehicle engines, a grease pit, body repair section, including facilities for refinishing, a storage room for replacement parts, and an office for the Mechanical Staff.

For The DEPARTMENT OF PUBLIC WELFARE

Co-operation was given to the Department of Public Welfare in their consideration of the planning or remodelling of buildings receiving grants under The Charitable Institutions Act, or The Homes for the Aged Act.

The following is a list of the Institutions concerned and the assistance rendered in each case:

CHILD WELFARE DIVISION

Hamilton

"Lynwood Hall" Boys and
Girls Home

Initial plans for remodelling the existing Girls Home to provide a Co-Educational Institution, were examined and all assistance rendered in the further planning of the building.

Hamilton

Salvation Army Rescue
Home

Plans for remodelling the existing building were examined, revisions recommended, and the revised plans recommended for approval. Preliminary plans for a new hospital unit were examined and assistance rendered in developing the initial plans. Upon completion the final plans were examined, some slight improvements suggested, and revised plans recommended for approval.

Toronto

"The Nest" Salvation Army
Children's Home

An inspection was made of the existing buildings and assistance rendered in planning their remodelling to eliminate fire hazards and to extend accommodation.

Toronto

Ingles House, 344 Dundas
Street West

Plans were approved for a new fire escape and proper exit facilities.

HOMES FOR THE AGED

Beeton

Simcoe County Home for the
Aged

Through a series of consultations assistance was rendered in the planning of this new Home. On completion the plans were recommended for approval.

Brantford

Brantford Widows' Home

Plans for a new addition and remodelling of the existing building were examined. Through a series of consultations the plans were revised and developed, and final plans recommended for approval.

Brantford

Home for the Aged

The existing building was inspected and recommendations made on the location and construction of proposed new units.

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Cobourg Northumberland and Durham Counties Home for the Aged	Plans for a new Administration Wing were examined and approval recommended subject to proposed revisions.
Cornwall Stormont, Dundas and Glen- garry Counties Home for the Aged	Plans for a proposed new Home for the Aged were examined and approval recommended subject to revisions.
Fort Frances Rainy River District Home for the Aged	Assistance was rendered in the developing of plans for a proposed new Home for the Aged, and finally recommended for approval.
Kenora Kenora District Home for the Aged	Plans were inspected and an extensive report submitted as an aid in further planning.
London McCormick Home for the Aged	Drawings for proposed alterations to the Nurses' Residence were examined and approval recommended subject to proposed revisions.
Milton Halton County Home for the Aged	Plans for a proposed new Home were examined. Revisions were recommended and the revised plans recommended for approval.
Sudbury Sudbury District Home for the Aged	Initial plans for a proposed new Home were examined and assistance rendered in the planning of this Institution. On completion the final plans were recommended for approval.
Toronto Jewish Home for the Aged	Initial plans for a proposed new Home were examined. Revisions were recommended and assistance was rendered through the various stages of development.
Whitby Ontario County Home for the Aged	Numerous consultations were held and assistance rendered generally in developing plans for this proposed new Home. On completion of the revisions the final plans were recommended for approval.

For The Department of Reform Institutions

Bowmanville Training School for Boys

A substantial improvement to this Institution has been the installation of a new street lighting system. Overhead lights on steel poles have been located at regular intervals along the road leading from the main entrance to the main building area and around and throughout the building area as required. The lights suspended on twenty-eight steel poles are in every case supplied by underground conduits. This work is a striking example of the co-operation and assistance given to the Department by the boys of this Institution, who dug all the necessary trenches, set the poles, backfilled and made good the cuts on completion of the work.

A new red brick fireproof building has been constructed north-west of the Fire Hall and behind the Dining Hall to provide a Storage Building designed to replace the old Storage Room which shared crowded quarters with the Institution Fire Department. The building is one-storey in height, approximately 74' x 34' overall, with concrete foundations, floor slab and masonry walls. It provides an Office, Receiving Room, Canned Goods Storage Room, Fireproof Paint Storage Room, Supply Issuing Room, and a general Storage Area suitably furnished with shelves and cupboards for the storing of clothing, food, and other materials.

The Main Entrance is from a Loading Platform with sheltering canopy located at the front, while a secondary Exit Door is located at the rear of the building. Windows are of steel sash and provide ample light for each section. Backing the 9" external brick wall is a 4" sand and lime brick interior wall with a 1" air space providing insulation. All interior partitions are of brick and the steel columns supporting the roof are protected with brick. The building is heated from the central power plant with the aid of unit heaters in the storage areas and convectors in the work areas. A lavatory and Caretaker's sink are provided, and the building has been completely wired and equipped with suitable fixtures.

In the triple Dormitory Building the Locker room has been extended by re-arranging partitions. This work, conducted with the assistance of the boys in the School, included a new terra cotta tile floor, a raised terra cotta base around the perimeter of the room which provides a stand for new wood Lockers and all necessary plastering and redecorating. A new 20-year bonded felt and gravel roof was laid on this building under contract.

Extensive repairs have been made to the Jury Building. The interior has been completely redecorated, and, as in the Triple Dormitory Building, the Locker room has been enlarged, a new tile floor laid, and new Lockers provided. The exterior finish of this building is of brick to the window level and stucco from window level to the eaves. The brick work was repaired and rebuilt where necessary. New concrete windowsills were installed and the stucco walls above window level repaired. The eavestroughing and downpipes were completely renewed. For this work the Department of Public Works provided the necessary sheet iron. Eavestroughing, downpipes and all necessary spacers and fittings

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were manufactured by the boys in the Institution from the sheet metal provided and the complete work of installation was done by the boys under supervision of Department of the Public Works' Superintendent.

The Gymnasium and Swimming Pool Building has been generally repaired and partially remodelled. In the Swimming Pool a new ceramic dado was placed around the perimeter of the walls, while the walls above the dado were finished with a crystallite waterproof cement plaster. The ceiling was completely refinished with accoustic tile. The two skylights above the pool were repaired, the old brick cornice around the building removed, a new 20-year bonded felt and gravel roof laid over the area, and a new galvanized cornice installed. The heating was improved by the installation of four new unit heaters, steam-fed, each coupled with an air duct from the exterior of the pool and designed for rapid air change in a normally humid atmosphere. In the Gymnasium the floors were sanded, overhead beams repaired, and the Gymnasium and related rooms completely redecorated.

Ontario Reformatory, Brampton

Work at this Institution has in most cases been performed by Department of Reform Institutions with Department of Public Works providing all materials, skilled tradesmen and specialized supervision where required. Work performed in this manner is as follows:

A new Fire Alarm System of the Open Circuit Non-code type was installed to protect all Institution Buildings.

Interior walls and ceilings of all boiler rooms in the frame buildings were covered with fire-resistant gypsum board in accordance with the Fire Marshal's specifications.

Foundations of Buildings Nos. 1, 17, 24 and 26 under which wood foundation posts, sills and floor joists were being destroyed by dry rot were underpinned and excavated, new concrete block foundation walls on concrete footings were built, faulty material replaced, and where necessary the buildings were supported with new beams and concrete piers.

In Building Number 17 partitions were rearranged to provide a carpenter shop and paint shop. A new concrete floor was laid, the building completely re-wired, new lighting system installed, and all necessary electric motor driven machines connected.

A portion of Building Number 22 was remodelled to provide a six-bed hospital unit. This work included the installation of a complete new lighting system.

Building Number 26: The Institution Kitchen and Dining Hall unit was completely remodelled. The hot water heating system was extended, a large domestic hot water tank installed, and a cast-iron sectional hotwater boiler installed in the adjacent boiler room. On receipt of material this heating system will be extended to include the H Buildings in the Kitchen-Dormitory group. In addition to the previously mentioned underpinning and foundation repair work new kitchen equipment was purchased and is presently being installed by Department of Public Works Electricians.

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The Automotive Repair Shop was moved from the Drill Hall to a frame building at the rear of the Administration Building. The foundations of this building were completely renewed, new concrete slab floor laid, drains repaired, and two additional catch basins installed. Shelving was provided and partitions were re-arranged to provide a tool crib and storage areas. The building was equipped with a complete plumbing and heating system, a new lighting system installed, a heavy wiring system was brought in and all necessary machinery connected.

Materials were provided for the conversion of the west end of the Rifle Range for use as a root storage area. A new lighting system was provided in the remodelled building. The Library and Recreation Building, which was severely damaged by fire during the winter of 1950-51, was completely re-wired and materials are being provided for its reconstruction.

Two Detention Rooms are presently being constructed in the Administration Building.

Department of Public Works Electricians are currently eliminating the single-phase high-tension line to the transformer serving the Administration Building and barn. The transformer will be moved to a new pole adjacent to the Auto Mechanics Building and connected by a single-phase high-tension feeder line to the service supplying the H huts. This will eliminate the secondary service in the basement of the Administration Building.

Industrial Farm, Burtch

The temporary main prison block as described in last year's Report is now complete with the exception of special door hardware and the installation of fire doors.

In its completion, fire protection played a large part. That the building would be more fire-resistant, the entire interior walls, ceilings and woodwork were painted with a fire-resistant paint. Four additional outside units off the central corridor, consisting of a concrete porch and steps with steel handrails and an overhead canopy for weather protection were constructed to provide fire escapes. Fire partitions were constructed in the central corridor at four locations to check the spread of fire and to protect the occupants against smoke. Fire reels, each equipped with one hundred feet of 1½" linen hose and an approved fog nozzle were attached to stand pipes at three locations in the central corridor. Adjacent to the kitchen, the chimney from the basement boiler room has been increased from fifteen feet to twenty-six feet in height, with brick around 24" diameter flue lining, to provide additional protection for the building.

A hydro feeder line approximately twenty-five hundred feet long was constructed to service the new building. In the kitchen two electrically operated exhaust fans were installed. A programme and annunciator system has been installed; the receiver, amplifier and annunciator equipment was constructed by Department of Reform Institutions, and the installation was done by the staff and inmates with the assistance of Department of Public Works' electricians.

Many work items of a more general nature were conducted in this building. All exit doors were covered on the interior with ⅛" riveted steel plates fitted with glass observation windows. Unit heaters in some of the dormitory

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wings were rearranged to eliminate drafts. A protective screen was installed for the electric control panels in the basement, and shelves were installed in all storage rooms.

A new telephone and fire alarm system has been installed, the two systems being carried where possible in the same cable. The telephone system designed to serve the temporary main prison block has five stations on a selective calling and common talking principle. The fire alarm system has six stations strategically located on the grounds, the batteries being located in the laundry and the alarm bell in the Duty Sergeant's Office where a telephone is available for contacting the Brantford Fire Department, with which arrangements have been made for assistance. This is an extension of the Call Box system within the temporary main prison block as described in last year's Report.

Three additional fire hose houses have been located on the grounds, one to serve Building No. 1, the former Hangar, the second to serve Buildings Nos. 2 and 3, and the third to serve the Garage, Stores, Farm Building, Pump House, and Sergeant's Residence. Hydrants in the fire hose houses are supplied by a 6" fire main.

Additions and renovations to the former Guard House located at the main entrance have provided a substantial and attractive residence. The original frame building was underpinned and excavated to provide a full concrete block basement containing a laundry room, fruit storage room completely fitted with shelves, general storage area and a boiler room containing fuel storage bins and a hot water boiler to supply a newly-installed cast-iron radiation heating system. A new chimney was constructed in conjunction with the boiler.

A new 4" V. T. sanitary sewer was constructed, one hundred and thirty-five feet long, and the old 6" V. T. sewer was utilized as a storm sewer to drain the basement and carry the flow from the basement weeping tile.

An extension of the superstructure provided an additional bedroom with ample storage cupboards and enclosed the stairway to the new basement. The addition is 19'6" x 11'8" and is finished inside with gypsum board walls and hardwood floors. The complete interior of the building was decorated. The exterior of the extension was finished with wood shingles to match the original building and the entire exterior of the building was painted.

To extend the facilities of the new Industrial Farm construction of a new Root House has been started. This building is of the latest design and will be a valuable addition to the Institution. Overall dimensions are 80'0" x 26'4" and it is one storey and basement in height. Root storage is on the basement level and to provide a cool constant temperature is entirely below grade. Basement walls are 13" brick and dampproofed inside and out. Inside, the walls are faced with 4" tile. Furring strips 2" x 2" are tied to the tile walls and finished with 1" sheathing with 1" space between boards to provide ventilation for the stored produce. The floor is of concrete laid over cinders and suitably drained. Over the concrete floor are 2" x 6" joists, and on this is laid a 1½" wood floor with a 1" ventilating space between the boards. At five points on the exterior walls are ventilators opening above grade and carrying air down through 10½" square ducts to the space between the floors, from whence it filters up through the stored produce to exhaust ducts, located between the first floor joists, that carry the foul air to outlets on the roof ridge.

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The interior of the basement will be subdivided into fourteen bins approximately 9'2" x 10'7" and open to a central corridor. Entrance is obtained through doors at either end of the building. At one end because of a large machinery entrance above, the approach is by a flight of concrete stairs from ground level. At the other end the grade is cut down to provide an easy approach for barrows, etc., used in the storage or removal of the produce.

The main floor, at grade level, is designed for repair and storage of equipment. The superstructure is frame, of 2" x 6" studs covered by 1" sheathing and finished with asbestos shingles. The roof is a straight hip design and is covered with asphalt shingles. To admit the more massive pieces of farm equipment a large covered double track door, 16' x 10' is located at one end, and on the front are located seven standard garage doors to accommodate the standard equipment.

A chimney is provided for a future heating system; the building is adequately wired for lights and power tools, and the superstructure is insulated between joists with wood shaving treated with lime.

This building is approximately 60% completed.

Temporary root storage pending completion of the new Root House has been provided in Building No. 1, the former Hangar.

A start has been made on the construction of a permanent system of roads to serve this Institution. The existing system, constructed by the Department of National Defence, has been maintained and is being extended to serve the new buildings. In this respect some preliminary grading has been done and culverts installed in preparation for the gravel surface. A concrete delivery yard was constructed at the service wing of the temporary Main Prison Block and bumper posts and grilles were provided for the protection of the buildings. Concrete walks were laid from three entrances to the same building and connecting to the former taxi strip which is incorporated as a road in the new system.

General repairs and improvements were made as required and the exterior of all existing buildings were painted and the wood shingles stained.

A portion of Building No. 1, the former Hangar, was dismantled and moved to the Ontario Reformatory at Guelph where it will be erected to form the main block of an amusement hall and gymnasium building. The exposed end of the remaining portion of the Hangar was closed in and the old hot air heating system was removed.

To supply heat and steam for the operation of the Laundry a new H.R.T. boiler was installed and fitted with a coal stoker.

To provide a clear approach for aircraft the superstructure of two farm buildings on the property has been removed by Department of National Defence. The basement foundations were removed this year, the excavation was filled in, and the land will be returned to agricultural use.

Industrial Farm, Burwash

CAMP No. 1

Reconstruction of the Water Supply and Distribution system, mentioned in last year's Report has now been completed. By means of a system of tile laid

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in a spring-saturated area, water is received and conveyed to a collecting well. A conduit has been laid from this collecting well to a newly-constructed thirty-thousand imperial gallon capacity underground concrete reservoir. Over the reservoir has been erected a pumping station; a frame building 20' x 24' finished with asbestos cedar grain wall shingles and asphalt roof shingles. The pumping station contains a domestic centrifugal pump of 20 imperial gallons per minute capacity, electrically operated and maintaining pressure up to fifty pounds per square inch in a cushion tank on the domestic supply system. Domestic water is automatically chlorinated as it is pumped.

The Station also contains a gasoline-powered fire pump having a capacity of seven hundred and fifty imperial gallons per minute. An underground storage tank for fuel to maintain this pump is located outside the building. In addition to the overflow conduit described last year a new 8" C. I. watermain has been laid to supply the Camp Buildings, and two new fire hydrants have been installed for their protection.

CAMP No. 2

Provision of a Recreation Hall located north and east of the Main Cell Block, and utilizing a Drill Hall removed from the former Prisoner-of-War Camp at Monteith, started in the late summer of 1949 and has been continued this year. Trusses for the one hundred and fourteen foot roof span were assembled during the winter, and power cranes were employed this spring for their erection. This was completed in April of 1950. The trusses were then braced, the exterior walls and roof deck sheathed, and a fifteen-year felt and gravel built-up roof with all necessary eavestroughing was laid. Work is now continuing on the exterior finished sheathing. This consists of red brick siding to the bottom of the window line, white asbestos cedar grain shingles from there to the top of the window line, and red brick siding continuing from that level to the eaves. This inexpensive contrast in materials emphasizes the large window areas, and by providing a white horizontal band against a brick-red background, successfully provides a pleasant architectural break in an otherwise drab wall. On completion the building will be one hundred and fourteen feet by one hundred and thirty feet with an entrance wing fourteen feet by thirty-four feet containing washrooms and service rooms. The main structure will be floored with concrete, finished with asphalt, and will contain a stage with dressing rooms and screen for the showing of motion pictures, in addition to other indoor recreational gymnasium facilities. A temporary boiler house located east of the Main Cell has been erected to provide heat for the Recreation Hall. In this boiler house will be located two H. R. T.-L. P. Boilers served by two coal stokers. Further work, consisting of the roughing-in of electric wiring, heating and plumbing, is being delayed due to the difficulty in obtaining delivery of necessary materials.

A potato storage building of fifteen thousand bag capacity was constructed and turned over to the Institution in time for storage of the 1950 potato crop. Results to date have been most satisfactory, with a minimum of losses, the product lasting many months over previously experienced dates. The building, based on a design developed by the New York State Agricultural Commission, is 40' x 60', built into a bank, and an approach provided so that trucks may enter at an upper level and empty their loads by means of chutes into the bins below. An elaborate system of intake and exhaust ducts have been incorporated into the construction of the building. Automatic mechanical ventilating equipment has

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been ordered, most of which is now on hand. This will be installed when the balance of the material, main item of which is the electrical relay equipment, is delivered. The building is fully insulated with granular rock wool, and the interior has been painted with fire-resistant paint. The exterior will be finished with fire-resistant paint in the next fiscal year during more favourable weather, as the season was too far advanced for completion in 1950.

Staff Apartments as described in last year's Report are now nearing completion. To date, thirteen buildings providing four two-bedroom apartments each, or a total of fifty-two apartments, have been completed, and two buildings providing three, or a total of six, three-bedroom apartments, are now nearing completion. The apartments which have resulted from the remodelling of buildings received from Monteith, are laid out in well-planned streets, provide ample playroom for children at the rear, and are well drained and serviced with water-mains and sewers. Each apartment, whether of the two or three-bedroom type, is provided with a three-piece bathroom, kitchen amply equipped with cupboards, electric stove and sink, livingroom and bedrooms with ample storage closets. All are attractively decorated and have private front and rear entrances. The buildings, as completed, have been occupied by the Department of Reform Institutions who will attend to the required landscaping.

Plans were prepared for the erection of a new Sawmill of fire-resisting construction to replace the old frame building adjoining the Planing Mill which was destroyed by fire during the past year. A site, approximately two hundred yards southwest of the Planing Mill on the shore of Neilly Lake, was decided upon, and the preparation work and excavation for the foundation started. As the foundation will be on rock, a considerable amount of blasting is required to remove the large outcroppings common to this district. This is being carried out by inmate labour under direction of the staff, with Department of Public Works' supervision. Material for the new building consisting of structural steel, concrete precast slabs, concrete blocks, structural tile, steel sash and glass, have been placed on order and a substantial portion received in preparation for the work to come.

Electrification of the planing mill, which fortunately was saved from the fire that destroyed the old saw mill, was started with the erection of a new 550v power line to provide the necessary supply. A 60 HP Motor to power the line shafting, a 30 HP Motor for the planer, and a 25 HP Motor for the exhaust fan have been purchased and the necessary wiring for their installation has been provided. Completion of the electrification is now dependent upon the delivery of material.

Six hundred feet of 6" C. I. Watermain was laid to replace an old 4" Main which was of insufficient capacity to provide adequate domestic water supply and pressure for fire protection to the two brick Staff Residences built by Department of Public Works in 1948 and the eight Residences of similar design constructed by Department of Reform Institutions in 1946. Two new fire hydrants were located on this line to provide additional fire protection for these buildings.

In September 1950 a contract was awarded to paint the steel super-structure and water tank of Camp No. 2. Work was started in 1950, approximately 85% of it was completed prior to the advent of inclement weather when work had to be suspended, and the balance will be completed in the Spring of

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1951. The tank has been painted, inside and out, but some of the steel supports have had only the ground coat and require finishing.

Two domestic water storage heaters were purchased during the year and one has been installed to replace a worn-out tank in Camp No. 2 Boiler House. The second tank will be installed and old pipe lines renewed when materials now on order have been delivered.

Approximately twelve hundred feet of concrete sidewalk was poured to service Staff Residences on the south side of the main road. The work was suspended at this point because of a prevailing cement shortage.

CAMP No. 5

On October 31st, 1950 it was found that the sand filter at the water inlet for Camp No. 5 on Wahnapita River was in danger of collapse. A 4" G. I. by-pass around the filter was installed and this in conjunction with a chlorinating system in the pump house will maintain the water supply should an emergency arise.

Excavation and pouring of a concrete foundation base for a smokestack, to serve the boiler house at Camp No. 5, was completed and a new steel smoke stack 30" in diameter and 50' high erected. A new hand-fired L. P.-H. R. T. Boiler has been received and installation completed with the exception of an insulating covering jacket.

Two new electric ranges, complete with low and high ovens, have been received for installation in the kitchen. Rewiring of the kitchen and installation of a heavier electrical service is proceeding.

General

Overhaul of the present Electrical Power Distribution System has been continued during the year. Extensions were made to the system to service the new Staff Residence on the north side of the main road at Camp No. 2. A new three-phase power line including new poles, crossarms and insulators was run approximately three miles from Farmlands to Camp No. 5. A new three-phase line approximately three and one-half miles long with necessary transformers, etc. being run from Camp No. 2 to Camp No. 1 is now nearing completion. These lines are required to take care of heavier power loads and conversion from single to three-phase wiring. A new 5 H. P. three-phase motor was installed in the pumphouse at Camp No. 5.

Difficulties occasioned by the isolated location of this Institution are worth noting, and it is to the credit of our tradesmen that so much has been accomplished. Almost without exception, work involving all trades must be done by the Department of Public Works' Staff, who of course are required to reside on the job under camp conditions. Materials must be ordered well in advance, all difficulties foreseen, and available equipment utilized to the utmost, where shortages, due to long supply routes, would normally cause serious delays.

Girl's Training School, Cobourg

A valuable acquisition to the Girls' Training School in Cobourg was made in late 1949 by the purchase of the Rowe property. Consisting of fourteen

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point fifty-three acres, the land is located on the north-east corner of King Street and Cottesmore Avenue and connects with properties on the east and west sides purchased in 1946 to provide a total of thirty-six point three hundred and seventy-one acres which form the present Institution grounds.

Located on the property at the time of purchase was an excellent stucco finished solid brick residence two and one-half storeys and basement in height. Over fourteen thousand five hundred square feet of floor space is provided on the three living floors, and ample space for all types of storage is provided in the basement. The Girls' Training School at the time of writing has exchanged locations with the Boys' Training School at Galt. Anticipating this, the building was remodelled to provide a dormitory building for boys. On the main floor, centrally located, is a large entrance hall and reception room, with the main entrance from the south. On the east side of the entrance hall is a large livingroom approximately forty feet by twenty-nine feet with an extensive tile-floored verandah forming the eastern extremity of the building. The dining room is located west of the main hall, with a fully-enclosed sunroom at the western extremity. A service wing leading from the west wing at a sixty degree angle contains a servery, kitchen and laundry with related areas and lavatories. On the second floor are eleven bedrooms with six bathrooms; the bathrooms in every instance are furnished with three-piece fixtures and finished with ceramic tile floors. Ample cupboard space is provided for each bedroom and linen and cleaning stores. The third floor, which is intended primarily for staff accommodation, provides four large rooms, two bathrooms, ample storage areas, as on the second floor, and large unfinished sections that are useful for bulk storage space and permit additional development as desired.

The building was reconstructed in a suitable manner as a residence for the Boys' Training School. New fire escapes were provided, bedrooms were converted to dormitories, new doors installed, kitchen completely equipped, and a new coal-fired stoker-fed H.R.T. Boiler installed in the basement. As the building had been used as a summer residence it was necessary to complete the building with a low pressure steam heating system.

In addition to the main residence the property included a large garage with an apartment above. This apartment has been suitably remodelled as a residence for the Superintendent. A portion of the main floor has been reserved as a garage, while the balance has been converted for use as work shops by the Maintenance crews.

The electrical system has been overhauled and expanded where necessary, the sewage system checked and repaired as required, and a new 6" water-main run through the grounds with fire hydrants strategically located for protection of the buildings.

The purchase included a parcel of land on the west side of Cottesmore Avenue and north of the McCook property. On this property is being located a school building which at the end of this fiscal year is approximately 70% completed. The building (a prefabricated all-steel structure) is on an H design, with two wings 24' x 80' and a centre section 24' x 32'. All structural members and sheathing are of steel with fully insulated walls and ceilings. The wings will provide six class rooms for the teaching of academic subjects, and one room for handicrafts, while the centre section will accommodate the necessary offices, service rooms and lavatories.

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Numerous repairs and improvements have been made in the McCook house. A complete new low-pressure steam-heating system has been installed providing convector radiation in all rooms. Steam is provided by two low-pressure boilers, coal fired and stoker fed. To further insure the efficiency of the heating system the complete roof area was insulated with 3" fibre glass insulation.

Training School for Boys, Galt

During occupation of this Institute by the Royal Canadian Navy, drains were installed to remove rain water from the parade square and conduct it to an existing low-capacity storm water system. This resulted in the surcharging of the storm system and consequent backing up of water in floor drains. To relieve this condition a new 6" vitrified tile drain has been laid, which picks up drains from the four catch basins on the parade square and carries the water 310' to discharge into a nearby valley. This drain has been completed with the exception of cut repairs and work is continuing to replace the main traps in the buildings and install back water traps on the floor drains.

A complete overhaul of the heating system has been made. This consisted of the removal of the battery wall between the two boilers and the bridge walls between the fire pots and combustion chambers and their reconstruction with sound material. New fire brick linings were installed in both boilers, and the grates and furnace fronts were replaced. New stokers will be installed and the boilers moisture-proofed during the coming year. Defective valves and steam traps in the Drake, Nelson, Beatty and Collingwood Houses were renewed, and the return mains which were found to be clogged with rust and sediment were completely removed and replaced with new material.

A Hobby Shop in the basement of Collingwood House which had been poorly lighted, was rewired and equipped with fifteen new double fluorescent lighting fixtures.

The interior of the Principal's Residence has been decorated by this Department, with three coats of paint on the walls, ceilings and woodwork. A new board fence was constructed around the Residence by the Department of Reform Institutions.

Ontario Reformatory, Guelph

HOG PEN

A useful addition to the farm buildings, a pen to house hogs raised on the Institution farm, is now nearing completion. Set on a concrete foundation with concrete slab floor, the building is 150' x 36' with a fully-insulated frame superstructure finished with cedar grain asbestos siding over the exterior sheathing and with asbestos board laid over 1" sheathing in the interior. The Mansard type roof is covered with asbestos shingles.

On completion this building will be attractive, sanitary, warm and fire-resistant. The interior will be fitted with concrete troughs and steel rail partitions to divide the floor area into six brood pens and twenty-two standard pens. A feed cooker, water supply and other services and appliances will be installed.

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ABATTOIR

Excellent progress is being made on the waste disposal installation to serve the Abattoir, as described in last year's Report. The 6" C. I. force main to the existing sewer system and the 6" V. P. overflow or by-pass drain to the River, have been completed. The rock excavation for the Treatment Building and sub-surface concrete foundations, pumping sump, traps, etc. have been completed and made ready for the brick superstructure. A large part of the required equipment for this building is now on hand.

Difficulty has been experienced in obtaining the structural steel reinforcing for the concrete connecting tunnel where it passes under the two railroad tracks. Sufficient steel is now on hand for one underpass and it is expected that the remaining steel will shortly be obtained and that this portion of the work will be continued.

HOSPITAL

The structural portion has now been completed and the building is fully closed in with the metal windows installed and the glazing completed. The connecting service tunnel has been completed, the wiring and heating services roughed in, and with the completion of the roughing in of the plumbing the building will be ready for plastering. This work is being done by inmate and staff labour, supplemented by Department of Public Works tradesmen.

ASSEMBLY HALL ADDITION

Work has started on an extensive addition to the Assembly Hall which will provide a Gymnasium and a stage and screen for the showing of moving pictures. This new addition will utilize one-half of the existing hangar moved from the Burtch Industrial Farm with service rooms in the form of steps around its perimeter.

The concrete foundation of the new building has been completed, and materials are on hand for the erection of the masonry walls of the service rooms and the erection of the wood trusses of the main structure when the columns have been erected and suitable equipment is available.

All work on this building including mechanical sub trades at Burtch and Guelph is being done by the Department of Reform Institutions' personnel and inmates, with general supervision and new material being provided by Department of Public Works.

A street lighting system along the north-west boundary of the Institution grounds has been completed. The system consists of overhead lights on metal standards lighting the approach from the north-west corner on Highway No. 7 to the Main Gate of the Institution.

Removal of the concrete fascia and brick parapet walk and replacement with a concrete cornice on the Main Building, as described in last year's Report, is continuing. Work on the kitchen block and connecting corridor has been completed and work is continuing on the Dormitory wings.

Ontario Reformatory, Mimico

HOSPITAL FOR ALCOHOLICS

The Beverley Jones Cottage, which until March 31, 1950 was used as the

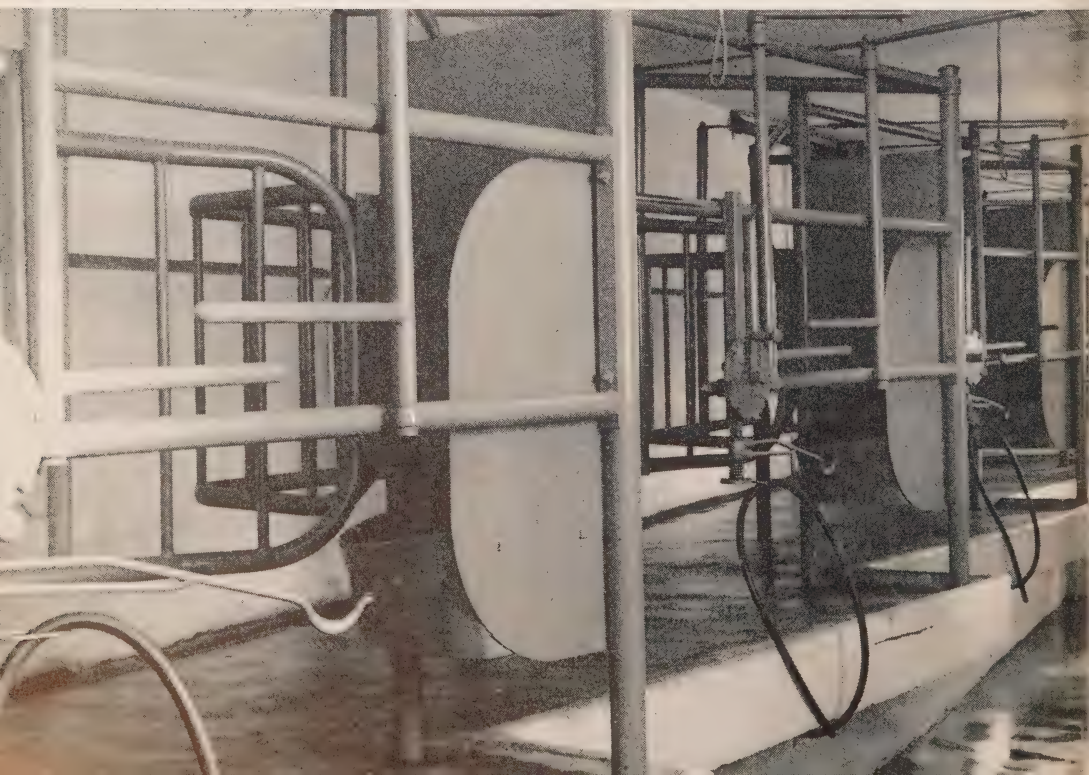


Loafing Barn and Milk House

RIDEAU INDUSTRIAL FARM, BURRITT'S RAPIDS

Milking Platform, Loafing Barn and Milk House

RIDEAU INDUSTRIAL FARM, BURRITT'S RAPIDS



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Serology Laboratory for the Department of Health and was made vacant when that unit moved to the Christie Street Hospital Pavilion, is presently being remodelled as a Hospital for alcoholic inmates. On completion the Hospital will provide accommodation for thirty patients.

The building is on two floors with a basement only slightly below grade level. The basement has been converted to provide a modern kitchen with terra cotta tile floors and dado, and a walk-in refrigerator. Modern kitchen equipment with stainless steel cupboards and work tables are presently on hand and will be installed. In addition to the kitchen, the basement provides dining rooms for the patients and staff and a reception and clean-up room, equipped with wash facilities, storage for patients' clothing, and a barber shop. Except for the kitchen and washrooms all floors are finished with attractive linoleum tile. On the first floor level new concrete entrance steps have been laid, leading to the main Hall. Bordering the Hall on the east side is the Patients' Lounge and Library, and off this room are the various administrative offices, and offices for the Doctor and Psychiatrist, which will also be used as treatment rooms. In addition, two washrooms are provided for patients and visitors. To the west of the main Hall and occupying the remainder of this floor is the Patients' Recreation Room.

On the second floor are two Patient Wards each equipped with fifteen beds. Between the Wards is a large washroom providing toilet and shower facilities. In addition a Quiet Room is provided, suitably furnished and decorated to provide a retreat for patients. The Hospital is expected to be in operation by August 1st, 1951.

Ontario Brick and Tile Plant

Renovations to the brick and tile plant described last year have been continued with a view to improving the drying and burning processes which now form a bottle-neck in production, the remodelling of the manufacturing equipment having been completed last year.

One new drying shed approximately 40' x 100' with a capacity of forty thousand brick has been completed. Two of the existing kilns have been repaired and one new burning kiln constructed. An additional pug mill is on hand and will be installed.

Staff Administration and Dormitory Building

The hose-drying building located near the farm group has now been completed and equipped with suitable racks and tables. Remodelling of the electrical system serving these buildings has also been completed.

Rideau Industrial Farm, Burritt's Rapids

Establishment of the Rideau Industrial Farm, in temporary buildings at Burritt's Rapids, has been completed and the Institution is in operation. The Industrial Farm is designed to serve the eastern portion of Southern Ontario, and a substantial portion of the finished work has been performed by the Institution Staff and Inmates.

Located on the north shore of the Rideau River, the site formerly consisted of three farms totalling approximately five hundred and fifty acres. Frame



Superintendent's Residence

RIDEAU INDUSTRIAL FARM, BURRITT'S RAPIDS

Root House and Equipment Building

RIDEAU INDUSTRIAL FARM, BURRITT'S RAPIDS





Pressing Equipment, Laundry and Power House

RIDEAU INDUSTRIAL FARM, BURRITT'S RAPIDS

buildings purchased from Department of National Defence and located at Cornwall, were dismantled, moved to Burritt's Rapids and re-erected in a design suitable for their new purpose. Existing farm buildings were either demolished or remodelled according to their respective condition and location and all buildings were finished externally with white asbestos siding and brick red asphalt roof shingles. The neat and colorful lines of the buildings set against a background of well-planned roads and attractively landscaped and well-kept grounds, produce a very pleasing effect in harmony with the natural beauty of the Rideau countryside.

The temporary buildings are on the north and opposite side of a service road that parallels the Rideau River. The permanent buildings will be located south of this road and the present buildings will then form a training and farm group for the Institution.

New Buildings

ADMINISTRATION BUILDING

Upon entering the Institution grounds the Administration Building is the predominating feature. Providing offices for the Superintendent and his Staff, plus stores for athletic equipment and miscellaneous items, it is centrally located so as to command the approach in front and the subsidiary buildings behind it.

STAFF QUARTERS

Immediately north of the Administration Building are the Staff Quarters and the Laundry and Power House. The Staff Quarters Building is the standard H Design and is internally divided to provide eighteen double staff rooms and

DEPARTMENT OF REFORM INSTITUTIONS

two guest rooms which are most necessary because of the isolated location of the Institution. In addition the building includes a lounge which is comfortably furnished with chairs, chesterfields, a billiard table, etc., and has an adjoining room fitted with sink, cupboards and all necessary equipment for the preparation of light lunches and refreshments.

LAUNDRY AND POWER HOUSE

East of the Staff Quarters is the Laundry Building. This unit is fully equipped to serve the Institution with a washing machine, extractor, tumbler dryer, an electric powered steam heated sock dryer of circular design with eighteen drying units which make charging and discharging almost a continuous operation, a soap maker, two flatwear ironers, a steam press and an apparel press which features a dual hand control to safeguard the operator. Adjuncts to the Laundry are the Shoe Repair and Tailor Shops. The combination of Laundry and Shops serve a dual purpose in the maintenance of Institution clothing and the rejuvenation and storage of inmate civilian apparel which is a decided advantage in rehabilitation upon discharge of the inmates.

The north end of the same building is occupied by the Central Power Plant. This is equipped with two H. R. T., H. P. Boilers operating at one hundred pounds pressure to provide heat and power as required for the Institution.

TEMPORARY PRISON BLOCK

Extension of facilities in the Temporary Prison Block became possible as crowded conditions were alleviated by the completion and occupancy of other buildings. Based on two H units, the building basically contains the kitchen, staff and inmate dining rooms, and the inmate dormitories. In addition, the following facilities have been provided:

One wing has been fitted as the Institution Store Room with sorting tables, racks, stands and cupboards.

A workshop is being developed as part of the training facilities. At present equipment is limited to a few basic items but will be extended in the coming year.

A four-bed Hospital Wing has been developed to care for the inmates. This includes a diet kitchen with an electric range, refrigerator, sink and cupboards, a fully equipped dispensary and surgery fitted for minor and emergency operations or treatment. In addition to the Hospital there is a fully-equipped Dentist's Office.

In addition to the above noted buildings, a four-car or truck garage has been erected, and a gasoline pump and buried tank installed to house and service the Institution vehicles. A root house, similar in design to that constructed for the Industrial Farm at Burtch (described earlier in this Report) has been constructed to house Institution farm equipment and store root crops produced on the farm. A pump house and reservoir were constructed as described in last year's Report.

EXISTING BUILDINGS

As previously mentioned, the Institution is based on three farms, Cartner on the east, O'Neil in the centre, and Empey on the west. Buildings on the farms



Rideau Industrial Farm, Burritt's Rapids

were in a varied state of repair and a number of out-buildings, due to their condition and location were demolished and the material salvaged and used in other buildings. The following is a list of the buildings remodelled and incorporated into the Institution Group:

Cartner Farm

The Cartner farmhouse was remodelled to provide a substantial and attractive residence for the Superintendent. The building was connected to the Institution water and sewage systems and the exterior was finished in a similar manner to the other buildings as described.

The Cartner barn was placed upon a concrete foundation, new flooring and partitions were installed, and the exterior covered with new sheathing, siding and roofing to provide a well-located and useful storage building for tools and bulk stores.

O'Neil Farm

Most buildings on this property were undesirably located in respect to the new Institution Buildings. The farmhouse however, being satisfactory in location and condition, was remodelled to provide a residence for the Sergeant. Out buildings were used extensively for material storage during construction of the new buildings, and having served this purpose they were demolished and the material salvaged.

Empey Farm

The Empey farmhouse was remodelled to provide a duplex residence for married staff and their families, and was finished externally to match the other Institutional buildings.

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LOAFING BARN

This remarkable building, created by the reconstruction and remodelling of the Empey barn, has received widespread attention from members of the Provincial and Federal Governments, Cattle Breeding Associations, many other interest groups and individual farmers, and is well worth a detailed description in this Report.

The building, designed to replace the standard dairy barn is an L-shaped building with the walls forming the internal angle facing south and east. Two doorways at the apex of the internal angle are permanently open except in the most severe periods of frost when one of the two is closed by a tarpaulin. Inside the building, the standard stanchion and trough arrangement is entirely dispensed with. The floor is covered with straw and the cattle bed down or feed without restraint. A fresh covering of straw is placed daily and cleaning as required is easily and quickly accomplished by a tractor with a bulldozer type blade. A watering trough as provided in the barn and troughs for chopped fodder are conveniently located outside the door.

A second feature of the barn is the milking "parlour". The milk house is an all-concrete structure abutting the northwest and exterior wall of the barn. At milking periods the cattle are herded to one side of the loafing barn and a chain is drawn across to partition the interior. From their section of the barn the cows enter the milking parlour through an entrance that brings them out on to a raised milking platform with pipe stanchion stalls running off at an angle of approximately twenty-five degrees. By simple lever arrangements the pipe rail sides of the stalls are altered to direct the cattle into the respective stalls where they are cleaned, fed and mechanically milked. The same lever arrangement releases them through the front portion of the stall to continue along the platform and leave by a second entrance into the other portion of the barn. The entire arrangement is designed to be sanitary, simple, inexpensive and labour-saving. The remaining portion of the milk house contains the cleaning and sterilizing facilities for milk cans and milking machines, a milk chiller and filter, and the milk cooler in which the filled cans are placed prior to shipping. The milk house is fully wired for light and power and contains a compressor for operation of the milking machines, an electric domestic hot water heating system and a sectional boiler for heating of the milk house through cast iron radiation. The interior is plastered and painted while the exterior is finished with stucco walls and a flat tar and gravel roof.

A portion of the south wing of the barn, used for freshening cows and calves, is fitted with the standard stanchions and feeding troughs. Adjacent to this is the feed room with grinding mill, etc. and a granary located over top. A new concrete block silo sixteen feet in diameter and thirty-five feet high was constructed adjacent to and opening upon the feed preparation room.

The entire building has been repaired with new concrete foundations and floors, exterior batten joint siding and a galvanized iron roof.

FIRE PROTECTION

Fire protection is an important factor in this Institution due to its isolated location as well as the difficulties imposed by the necessary restriction and control of the inmates. A forty thousand gallon water reservoir forms the foun-

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

dation of the fire protection system; by means of a gasoline-powered fire pump water is distributed through a 6" firemain to five outside fire hydrants strategically located along the roads in the building area. An equipment house contains two mobile hose reels and one thousand feet of 2½" fire hose plus other necessary equipment such as hydrant keys and axes. All buildings are equipped with inside standpipes and fire hose in proportion to the size of the building and specialized types of extinguishers have been located in accordance with recommendations contained in a report of the Ontario Fire Marshal.

In addition to the above a fire alarm system has been established with ten call boxes in and about the buildings and ringing an alarm in the custodial office located in the Temporary Prison Block, from whence the duty officer may direct fire fighting activities.

ROADS, DRAINAGE AND LANDSCAPING

A system of roads has been constructed throughout the building area, with concrete curbs and gravel surfacing. This system required extensive excavation and grading which was done by inmate labour under Staff supervision. In conjunction with the roads a storm sewer system was constructed to take run off water from the roads and surrounding areas and the laundry waste, through a 15" outfall sewer. A separate 12" sewer carries the sanitary waste to a septic tank and disposal field where, after treatment, the effluent is picked up by an under-drainage system and discharged into a nearby stream.

The landscaping which plays such a large part in the finished appearance of this attractive Institution was done entirely by Department of Reform Institutions. Broad sweeping lawns designed for ease in maintenance form a setting for plantings of trees and shrubs which have graciously been provided by the Federal Government from their Experimental Farm in Ottawa.

Industrial Farm, Monteith

Work of dismantling the temporary buildings taken over from Department of National Defence is being continued and the material salvaged, stored and shipped as required to Department of Public Works' building projects in Northern Ontario. Twelve buildings were dismantled during the year, using inmate labour where possible, and several others are in the process of being dismantled.

Building No. 1, the Staff Apartments is being remodelled to provide fourteen apartments for married staff. The building has been re-roofed and general re-arrangement and reconstruction is continuing inside.

In the Heating Plant, Boiler No. 1 is being reset with complete new brickwork. Temporary repairs were made to Boiler No. 2 to maintain it in operation while Boiler No. 1 is being overhauled. General repairs were made to steam lines to the various buildings and a new steam heating system was installed in the piggery and slaughter house.

A fire Alarm Annunciator System with call boxes located throughout the outside area has been installed, to provide additional protection in event of fire. The Administration Building is in the process of being re-wired.

DEPARTMENT OF REFORM INSTITUTIONS

The United Church Manse has been purchased and remodelled for use as a Staff Residence. Renovations included a new roof, new wiring, a new hot water heating and plumbing system, repairs to interior plaster and painting. A septic tank will be installed and water supply line will be carried to the building when frost conditions permit.

Neys Industrial Farm

Utility services consisting of water and sewage disposal systems were inspected during the year and reported upon. A Fire Pump developing three hundred and fifty pounds pressure on the four Fire Hydrants protecting the frame buildings was found to be faulty, and was removed, overhauled and re-installed. A Double Suction Centrifugal Pump, installed by Department of National Defence and used on the domestic water supply system was found to have been damaged by frost. The pump for which replacement data was not available was removed and shipped to the manufacturer, where it was overhauled and, on return, once again installed on the domestic water system.

The Andrew Mercer Reformatory, Toronto

In accordance with a report by the Ontario Fire Marshal, an extensive program has been carried out to safeguard this Institution against fire. Work centred in the vulnerable and no longer used attic rooms. Openings at five different locations were cut into the attic area to provide ready access, and connecting doors were cut between various sections as required to provide alternative approaches for fighting fire. Masonry walls were carried to roof level at various points to confine an outbreak for a limited time and to provide smoke barriers. The electrical system was thoroughly checked and altered as required, and an electric fire detection system was installed and connected with alarm bells and an annunciator box to show the location of any danger spot. In addition, all fire hose, valves and extinguishers were checked and replaced or renewed as required.

The chapel was re-wired and eight new pendant fixtures were installed to replace an old and unsatisfactory chandelier. The new fixtures are of a suitable design for chapel lighting and provide both direct and indirect lighting.

Damp-proofing of the basement with furring tile, as described in last year's Report, has been completed and the results are most satisfactory. In the basement recreation room, converted from an old basement cell block, and also described in last year's Report, additional storage space was provided by removing the plywood partition over the seven blanked out cells, fitting the interiors with suitable shelves and cupboards and installing plywood doors. The additional storage space was made necessary by the unusual success of this experiment, which greatly exceeded expectations.

Extensive repairs and alterations are being conducted in the boiler room. Two steam heated domestic hot water tanks were installed to replace the two obsolete storage heaters. The two new tanks have a total generating capacity of two thousand one hundred and forty imperial gallons per hour and a storage capacity of one thousand imperial gallons. One boiler has been retubed and work is continuing on the second. A steam operated boiler feed pump was overhauled, and electrically operated return pump was overhauled and two reducing valves were installed.

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A 30" electrically operated extractor having a capacity of seventy-five pounds dry weight was purchased and installed in the Laundry.

DISTRICT GAOLS

Fort Frances

Plans have been prepared and an excellent start made on the rehabilitation of the Fort Frances Gaol. This work includes general remodelling and complete reconstruction in fireproof materials, the installation of new steel cells each fitted with protected prison-type water closets and lavatories, renovation and extension of the lighting system including installation of fixtures, new window grilles and heating system. An exercise yard enclosed by a chain-link fence will be constructed adjacent to the building.

Haileybury

Walkways serving this Gaol, which were in a deteriorated condition, were repaired, and additional walks constructed to serve the rear and west side of the Gaol. A floodlighting system was provided for the east, north and west sides of the building, while a fire-alarm annunciator system was installed to serve the interior of the building. A new vault, complete with vault door, was constructed and nine prison-type locks installed on cells and corridors. Extensive repairs were made to the plumbing including installation of twelve toilets to replace broken and cracked fixtures.

Kenora

Numerous repairs have been made to the District Gaol in the past year to maintain the building in good condition and to extend facilities where necessary for its more satisfactory operation. The main and right hand side entrance steps were removed and rebuilt in masonry and concrete. Walls in the basement were waterproofed to prevent seepage. A brick vault was torn out and rebuilt to approximately double its original size, a kitchen range was replaced, steel shelving installed and alterations made to the coal chute doors. A programme of removing old style prison locks and replacing them with a modern type was continued. A new sewage disposal plant consisting of a septic tank and a one-hundred-foot tile disposal bed was installed, and general renovation of the plumbing system conducted by the Gaol Staff in conjunction with this work.

North Bay

Stonework located over the main entrance of the building was re-set. An existing ash hoist was repaired, and the boiler and jacket heater insulated.

Parry Sound

Plans have been prepared and work started on the reconstruction of the Parry Sound Gaol. The old brick cells, wooden floors, partitions and ceiling joists have been entirely stripped from the male section of the old portion of the building, and work is now under way to replace all interior construction using fire proof material. New window openings have been cut and filled with glass block or glazed steel sash as required. New steel cells are presently being fabricated and will be installed as the work progresses. The new plan provides for

DEPARTMENT OF REFORM INSTITUTIONS

individual cells, each equipped with a gaol-type water closet fitted with a flush-valve protected by steel casing to guard against damage.

Port Arthur

A new roof was installed by contract on the Gaoler's Residence. Repairs were made to plaster and other work was conducted as necessary to maintain the buildings in good order.

Sault Ste. Marie

Plans have been prepared and an excellent start made on the work of remodelling and extending the Gaol facilities at this location. The old Gaoler's Residence is being remodelled to provide office accommodation and four additional cells on the first floor. Residential accommodation to be provided for the Gaoler on the second and attic floors will include livingroom, diningroom, kitchen, bathroom and three bedrooms. The Gaol generally is being renovated by removing old cells and replacing them with modern steel cells equipped with protected gaol-type water closets and lavatories. A new addition to the Gaol now under construction will provide sixteen extra cells. Included in the renovations and extensions will be the installation of two new boilers and the complete remodelling of the heating system.

Sudbury

A seven-foot wooden fence was erected along the rear or south side of the Provincial Government property, extending a total of six-hundred and fifty-six feet from the east to the west boundary. A seven-foot chain link fence was erected along the west boundary from the south side, a distance of two hundred and thirty feet towards the north boundary. A new steel grille with gate was installed in the corridor leading to the Administration section of the Jail, and the door between the Turnkey's office and main corridor was blocked off with brick and finished with tile.

For The Department of Travel and Publicity

New buildings were completed and minor alterations, painting, landscaping, general maintenance and finishing work was carried on at the following Reception Centres:

Cornwall

Construction of a new fence to surround the property. Venetian blinds and a flagstone walk were installed and repairs to the roof were made.

Fort Erie (Peace Bridge)

A start was made on landscaping at new location of the building. Addition of a new storeroom to building. Repairs were made to plumbing of the lavatories.

Fort Frances

Plans for new fence were completed and a new Neon Sign was erected.

Ivy Lea (at Thousand Islands Bridge)

A new Mastic Tile floor was laid and minor repairs made to the building.

Kenora

Exterior log-siding was cleaned and coated with oil and roof painted. Plans completed for new storeroom and front porch addition and the moving of the building back from the road.

Niagara Falls (Princess Elizabeth Building)

Minor repairs were made.

Niagara Falls (Bender Hill)

Maintenance to Neon Sign.

Pidgeon River

Repairs to Pump Suction Line and front verandah.

Point Edward (Blue Water Bridge, Sarnia)

New addition of a storeroom. Painting interior and exterior Tile Wall-board Dado installed in the lavatories.

Prescott

New Neon Sign; painting interior and exterior; new Venetian Blinds.

St. Catharines (Homer)

Interior and exterior painted.

Windsor (at Bridge exit)

New drapes for the windows. Electrical repairs to building and Neon Sign. Painting interior and exterior.

Windsor (at Tunnel Exit)

New storeroom addition to building. New Pamphlet Rack and new drapes for windows. Painting interior and exterior. Plumbing maintenance.

For The

PROVINCE OF ONTARIO SAVINGS OFFICES

This Department co-operated with the Head Office Management of the Ontario Savings Offices by preparing sketches, working drawings, and specifications for proposed new or alteration work, and the arranging for or execution of this work as required at the existing Branch Offices.

The work of arranging and preparing new leases and renewal of expiring leases, together with agreements, was carried out as directed.

The main work items carried out in the above connections were as follows:

Brantford

New Venetian blinds were installed at the front windows of the Bank and in the Manager's Office.

Guelph

General renovations were carried out to the interior plastering, plumbing and heating systems. Walls and ceilings of the Banking Room and Manager's Office were washed down with a suitable cleaner. General repairs were made to the roof.

Hamilton (Ottawa Street)

The masonry front of this Bank was cleaned and repointed, while all bronze windows and door trim was cleaned and polished. The Banking room, Bank vault and lavatories were completely redecorated. The sign over the Bank front was refinished in gold leaf, and new Venetian blinds installed in the Manager's Office.

Hamilton (Piggott Building)

To provide additional security the present Bank vault door was thickened to 2½" by welding on alternative layers of steel and copper plate. Also an extra combination was added.

London (Ontario Government Office Building)

Negotiations and agreements were completed for cancellation of the present lease at King and Parliament Street Branch and the moving of this branch to our new Government Building. Surveys were made of our new Government Building, Plans and Specifications prepared, Contracts let, supervision provided, and the work proceeded with all necessary alterations and renovations to provide a new Province of Ontario Savings Office in the building at 353 Richmond Street.

London (Hamilton Road and Rectory)

This Savings Office was vacated by the Province in August 1950 and the

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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business transferred to the new above-mentioned office at 353 Richmond Street. Supervision in the carrying out of this change was provided by this Department.

Ottawa

Plans and specifications were made, the contract let, and supervision provided for the renovation of this Bank and erection of a new fire-proof vault in the basement. Renovations included new plastering of walls and ceilings, cleaning and refinishing present banking fixtures, installation of new electric fixtures in the Banking room, complete painting and decorating throughout, and hanging of new Venetian blinds in the Banking Room front windows. The fire-proof vault included the laying of mastic tile floors in the Safety Deposit Customers' space, reconstruction of basement stairs and provision of a new handrail. Negotiations were completed for a new lease to these premises.

Owen Sound

A survey was made, plans and specifications prepared, and a bright modern banking office has been provided by the complete renovation of this building. A new accoustic ceiling was installed in the Banking Room and a brick and glass partition erected to screen the Manager's Office. New linoleum was laid in the working space and lavatories. Banking fixtures were renovated, the Banking room completely redecorated, and Venetian blinds provided for the Manager's office. Present signs were refinished and new signs provided for the main window.

Pembroke

To provide a modern and finished appearance, new Venetian blinds were installed on windows in the working space and Manager's office, with new floor covering supplied and installed in the Manager's office.

Seaforth

New Venetian blinds and curtains were hung in the Manager's office. A new concrete base was erected in the Bank vault to raise the present cash safe to a standard level. A complete tank and fittings were installed for a hot water supply.

Toronto (Bay and Adelaide Branch)

The old Provincial Crest on the Banking windows were removed and replaced by new crests, and all gold leaf lettering on windows and doors was refinished. New office equipment was supplied for the Coupon Room.

Toronto (Danforth and Fenwick Branch)

All of the Banking Room including vaults, basement Lunch Room and Washrooms was completely redecorated, with specifications and supervision being provided by this Department.

Toronto (2048 Danforth Avenue)

To provide additional security, the interior of the present Bank vault was lined with $\frac{1}{2}$ " steel plate and the vault door increased to a thickness of $2\frac{1}{2}$ "

PROVINCE OF ONTARIO SAVINGS OFFICES

by the addition of alternate layers of copper and steel. On completion of this work new cabinets and shelving were installed. Gold leaf lettering on the Bank windows was refinished and the Teller's Cage and Counter renovated to provide for a new card filing system.

Toronto (University and Dundas Street)

General repairs were made and the three Teller's Cages refinished.

Toronto (1556 Yonge Street)

Under supervision of this Department a new building was constructed by the Lessor from plans and specifications supplied by the Department. The building has been completed and this new Savings Office was open for business on September 5th, 1950. Complete new office equipment, new Banking fixtures, and new vault door was supplied and installed by this Department.

Walkerton

Old plaster was stripped from the dividing wall in the Banking room, and the wall replastered and decorated to match the finish of the remainder of the room.

Woodstock

A new Sign was installed over the front of this Branch Office and new equipment was provided for the Manager's office.

For The ONTARIO GOVERNMENT EXHIBITS

Canadian National Exhibition, Toronto.

This year the Department of Public Works prepared the Province of Ontario Building for the annual Canadian National Exhibition with a view to providing a varied and attractive display to maintain the high public interest experienced in previous years. Preparation of the building included the installation and maintenance of mechanical services, stagework, back drops, props, general and feature illumination, sign work, colorschematics, painting and furnishing. With the assistance of the Department Horticulturist the building was attractively decked with flowers and shrubs.

Subsequent to the assignment of space to the various Departments of the Province, this Department worked in close co-operation with and as liaison between the Departments planning to exhibit in the show in a positive endeavour to attain a happy uniformity of pattern, contemporary level of design and dignity as would properly befit an exhibition to the public, of the functions of the Departments of the Government of the Province of Ontario.

Close co-operation was again experienced between the following Departments who exhibited:

- Department of Agriculture
- Department of Highways
- Department of Labour
- Department of Health
- Department of Lands and Forests, all Branches
- Department of Travel and Publicity
- Department of Planning and Development
- Department of Education
- Department of Mines
- Department of Welfare
- Department of Reform Institutions
- Department of the Provincial Secretary and
Ontario Northland Railway.

A suitable apartment was provided for the use of the Lieutenant-Governor and at his command for the use of visiting dignitaries. The apartment consisted of a large Reception Room and Ante Rooms and was attractively furnished and adequately staffed by this Department. A feature of this suite was a beautiful flower display provided by Ontario Agricultural College at Guelph which was much admired by the public when the suite was open for inspection.

The theatre in the building was equipped and staffed by this Department and operated by the Motion Picture and Theatre Inspection Branch of the Provincial Treasurer's Department. Thirty-five 16mm sound and colour films were shown illustrating many phases of Government activities and innumerable attractions and points of interest of the Province. This theatre was attended by twenty-six thousand, eight hundred and eight persons, and was efficiently operated on a regular full daily schedule with a level of performance equal to that experienced in 1949. Unfortunately seating space is limited and attendance is naturally limited by the length of the programme.

ONTARIO GOVERNMENT EXHIBITS

The following Government-sponsored organizations were provided with space and exhibited:

The Hydro Electric Power Commission of Ontario
The Ontario Division of the Red Cross Society
The Ontario Branch, Canadian Cancer Society.

Public attendance and reaction was carefully noted by this Department with a view to improving the design, quality and efficiency of operation of subsequent annuals and a most satisfactory interest was observed.

Central Canada Exhibition, Ottawa

An attractive display was provided at the Central Canada Exhibition utilizing the space under the Grandstand allotted to the Province by the Exhibition Officials. This Department organized, designed, and carried out the installation and maintenance of mechanical services, stagework, backdrops, props, general and feature illumination, sign work, colorschematics, painting, furnishings etc., for the following Departments of the Province of Ontario:

Department of Agriculture
Department of Highways
Department of Lands and Forests
Department of Mines
Department of Reform Institutions.

Co-operation was again experienced between the exhibiting Departments and Officials of the Central Canada Exhibition, and a favourable showing was achieved.

Boiler Inspection

The Boiler Inspection work of this Department, as in previous years, was carried out under the supervision of the General Superintendent of Mechanical Services, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings, assisted by the Inspector of Mechanical Services.

The boilers, boiler plant and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and Reformatories, the reports as referred to were sent to the Departments of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these Departments were attended to by Department of Public Works.

The recommendations contained in these reports regarding plants in all the other building groups referred to in this section were also attended to by Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

G. N. WILLIAMS

Toronto, March 31, 1951.

Chief Architect.

REPORT OF THE ENGINEER

Parliament Buildings, Toronto, Ontario,
December 27, 1951.

Mr. G. N. Williams,
Deputy Minister and Chief Architect,
Department of Public Works.

RE: Civil Engineer's Report, 1950-51 Dams, Docks, Locks and Drainage.

Work performed under the supervision of the Departmental Civil Engineer during the fiscal year 1950-51, in addition to waterworks, sanitation, surveying, shore protection, etc., for the Provincial Institutions, was as follows:

Summary

All work was performed by day labour under the direction of Departmental foremen and by employing local workmen wherever possible, except as noted.

The regular maintenance of dams, docks, locks and navigable channels was carried out. Four dams were reconstructed with timber, seven with concrete and eleven had major repairs affected, all as detailed below. Nine grants were made to unorganized districts for municipal drainage work and financial aid was granted to fifty-seven drainage schemes under the provisions of the Provincial Aid to Drainage Act, all as detailed below.

Detail

DAMS, DOCKS, LOCKS, ETC.

Matinenda Lake Dam, Algoma District

An old lumberman's timber dam across the river at the outlet of Matinenda Lake was reconstructed with concrete. One twelve foot sluiceway was installed, with removable stop logs and stationary type winches. The new dam is one hundred and fifty feet long and nine feet high at the deepest part of the river. Construction work was continued under hardships during the winter so that the dam would be completed and in operation for the next summer, at the request of property owners on the Lake.

Boat Lake, Amabel Township, Bruce County

The temporary timber dam constructed last year across the Rankin River at the outlet of Boat Lake for experimental purposes was removed. This was done at the request of the Department of Lands and Forests, after a considerable number of objections against the higher water level had been registered by local residents.

Koshlong Lake Wharf, Haliburton County

A small timber wharf was constructed at Koshlong Lake for the use of property owners and tourists in conjunction with a new road recently built to the Lake.

REPORT OF THE ENGINEER

Raven Lake Dam, Haliburton County

The masonry dam at the outlet of Raven Lake constructed by this Department in 1930 was leaking badly through the mortar joints. It was repaired by refacing on the top and both sides with eight inches of concrete.

Baptiste Lake Dam, Hastings County

The concrete dam at the outlet of Baptiste Lake constructed by this Department in 1931 was showing the effects of weathering, and the downstream side was re-faced with nine inches of concrete and the dam strengthened with additional concrete buttresses. The re-facing was anchored to the old concrete by the use of a large number of steel dowels.

Abram Rapid Wharf, Kenora District

A timber crib and deck wharf along the channel between Abram and Minnitaki Lakes, constructed by this Department in 1939, was partially washed away during the excessive 1950 spring floods. This wharf was used by operators of small boats who disembarked on either end of the wharf and either pulled their boats up or guided them down the rapids, as required, to quiet waters and then embarked and continued on their journey. The wharf is being put into service again by constructing some new cribs, repairing the damaged ones, laying a new plank deck and installing a new hand rail. The work was commenced in February 1950, but was not finished at the end of this fiscal year. It will be completed next year.

Mahzanazing River Dam, Manitoulin District

A timber dam across the Mahzanazing River, near Collins Inlet, was leaking quite badly. It was repaired by replacing the decayed sheeting and some logs with new materials. The repair work was requested by the Department of Lands and Forests in the interests of conservation.

Sandfield Dam, Manitoulin Island

A request came through Department of Lands and Forests to raise the height of a concrete dam at the outlet of Manitou Lake to stabilize and provide a greater head of water for the Fish Hatchery and improve tourist facilities on the lake.

The dam was encased on both sides with eight inches of concrete and raised twelve inches. The single sluiceway was improved by adding short lead-in walls.

Bala Dam, Muskoka District

The masonry piers and wing walls of the South Dam were repaired by refacing with eight inches of concrete.

Baysville Dam, Muskoka District

The refacing of the masonry piers and wing walls with eight inches of concrete that was commenced last year and postponed during the winter was

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

finished early this year. The old mill sluiceway was also plugged by pouring a reinforced concrete wall in place of the removable stop logs.

Huntsville Dam and Locks, Muskoka District

The masonry piers and wing walls were refaced with eight inches of concrete, the west concrete wing wall was extended further into the earth bank to prevent it cutting away. The river immediately below the locks was dredged by a power shovel to provide more depth for boats using the locks.

Port Carling, Muskoka District

One of the timber gates of the large locks had to be repaired again owing to decay of timber supports. A complete engineering field survey was completed in preparation for the reconstruction of the large locks.

The small lock basin gates and operating mechanism were repaired and the concrete landing pier was extended about fifty feet.

Port Sydney Dam, Muskoka District

The refacing of the masonry piers and wing walls with eight inches of concrete, commenced last year and postponed during the winter was finished early this year.

Skeleton River, Muskoka District

A natural restriction of rock was causing the Skeleton River to back up and flood farming properties near Bent River, Muskoka. This was removed by the use of dynamite and about one hundred feet of river bed was deepened and widened.

Stewart Lake Dam, MacTier, Muskoka District

A small timber dam at the outlet of Stewart Lake was replaced by a new concrete structure with one sluiceway and two removable stop logs. The dam was designed to raise and hold up the water level of Stewart Lake about one foot only in order to decrease the pollution potentiality of the Lake from which the Town of MacTier obtains its water supply.

Finlayson Dam, Nipissing District

Early in the year an attempt was made to complete the work of reconstructing this old lumberman's timber dam on the East River System, with concrete. Unexpected floods again forced the abandoning of the work, and the priority of other projects prevented a resumption of work during the year. Another effort will be made to complete the dam next year. This is the last of the dams on the East River System to be reconstructed.

Harry's Lake Dam, Nipissing District

The old lumberman's timber dam was replaced by a new timber structure with two fourteen foot sluiceways and stop logs. The access road through the bush which was commenced last year had to be completed before work was commenced.

REPORT OF THE ENGINEER

Mink Creek Dams, Nipissing District

These three dams or the East River System reported on last year, were completed early this year.

Talon Lake Dam, Nipissing District

Reconstruction work on the old timber dam that was abandoned last year was started again as soon as the spring floods had passed, and was completed. A new concrete dam was constructed, firmly anchored into bed rock at the bottom and both sides. Two twelve foot sluiceways were provided, complete with removable stop logs and two pairs of stationary type winches. A plug dam was constructed across the by-pass channel.

Tasso Lake Dam, Nipissing District

The timber dam at the outlet of Tasso Lake, constructed by this Department in 1924, was repaired by replacing some decayed timbers and sheeting with new material and adding a large quantity of gravel and rock fill.

Whitney Dam, Nipissing District

An old timber dam across the Madawaska River just south of Highway 60 had become severely decayed, allowing the water in Galeairy and other lakes to become too low for the safe operation of Department of Lands and Forests aircraft, navigation of small watercraft and required storage of water for electric power generation by the Hydro Electric Power Commission of Ontario. A new concrete dam, one hundred and ninety four feet long and eleven feet high, was constructed about three hundred feet upstream from the old one, consisting of 16' sluiceways complete with removable stop logs and a pair of heavy winches on rails. The north end was anchored to bed rock on the shore and the south end to a small island of bed rock. The bottom was also anchored to bed rock. Another river channel between the rock island and the south shore was closed by constructing a rock and gravel fill plug dam, fourteen feet wide at the top and approximately one hundred and fifty feet long. The old dam was removed to ensure the maximum discharge through the sluiceways. The construction work was carried on throughout the winter, but the project was not quite complete at the close of the year.

French River, Parry Sound District - Flood Relief for Lake Nipissing

The work of constructing an additional controlled outlet channel from Lake Nipissing into the French River at Big Chaudiere Portage as outlined in last year's Report was continued. The width of the channel cut through the solid rock was increased from thirty-five to sixty feet to provide even greater flood relief if the necessity arises. Four eighteen foot sluice gates were provided in the dam, operated by a power driven winch enclosed in a shelter and running on steel rails. The cost of the project amounted to \$326,000.00, equally shared by the Federal and Provincial Governments. Federal Government Engineers designed and supervised the work which was approved, regularly inspected and closely followed by the Civil Engineer of this Department.

Feather Lake Dam, Rainy River District

Unprecedented heavy spring floods carried away the timber dam con-

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

structed in 1935 by the former Department of Northern Development. The floods washed away some private property and cottages and damaged others. Owing to the fact that the entire stream bed and banks between Feather and Clearwater Lakes consisted of loose boulders and gravel, it was decided to construct a heavy gravel plug dam across the stream where the original dam was formerly located, and construct a new channel and concrete dam across a low spot in the bed rock about one-quarter mile west of the old site where the Marine Railway was located. The new concrete dam is eighty feet long, thirteen feet high and is provided with two fourteen foot sluiceways, together with removable stop logs and rollers. The gravel plug dam is approximately two hundred feet long, twenty-five feet wide at the top, one hundred and ten feet wide at the bottom and twenty feet high. The project was carried on during the winter but was not quite completed at the close of the year. It is intended to complete the dam and re-install the Marine Railway next year. The Marine Railway is considered to be essential for the transportation of boats and equipment across the dam into the upper chain of Lakes.

Manitou River Dam, Rainy River District

An old lumberman's self-loading type timber dam across the Manitou River between Esox Lake and Sphene Lake had become so decayed that it would not hold up water levels sufficient to permit usual navigation of small boats on the nearly fifty mile stretch of water across Lower and Upper Manitou Lakes to Gold Rock. Work commenced in January with the establishment of a camp, and the construction of a diversion channel to by-pass the river flow. The project will continue next year with the construction of a concrete dam just below the old one which will be utilized as a coffer dam.

Frood Lake Dam, Sudbury District

Several years ago an old lumbering timber dam became decayed and mostly washed away. In 1948 this Department endeavoured to replace the dam, but work was suspended on account of a dispute regarding ownership of the property on which the dam was to be built. The dispute was settled and a new concrete dam constructed in bed rock. It was one hundred feet long and eleven feet high from sill to the top of the wing wall. One fourteen foot sluiceway was provided, together with stop logs and a pair of stationary type winches. Owing to a deep fissure in the rock, the sill had to be poured six feet thick in one place. An outcropping of bed rock divided the dam foundation into two parts, but the superstructure was continuous.

Ivanhoe Lake Dam, Sudbury District

The extreme flood conditions during the Spring of 1950 washed out a wier in the large timber dam at the outlet of Ivanhoe Lake near Foleyet. Other damage was done to the wing anchorage which threatened the safety of the structure. Major repairs were commenced in October 1950 under the immediate direction of the local Chief Ranger of the Department of Lands and Forests. More than three hundred spruce and pine trees were cut, hauled to the site, peeled and used in the construction of new cribs and wiers. The centre pier of the slide was rebuilt with square timber and the old west pier of the slide removed in preparation for rebuilding. Work was discontinued in January owing to the

REPORT OF THE ENGINEER

heavy snows making it very difficult to keep the road to the dam open. The work will be carried to completion next year.

Lang Lake Dam, Sudbury District

A concrete dam, constructed by the Department of Lands and Forests some years ago, at the outlet of Lang Lake, was reported to be leaking badly and the sluiceway out of repair. A twelve-inch concrete facing was poured on the downstream side of the dam, and the sluiceway repaired.

Tyson Lake Dam, Sudbury District

An old lumberman's timber dam at the outlet of Tyson Lake had become badly decayed and almost useless for maintaining adequate water levels. It was replaced by a new concrete dam about two hundred and fifty feet long with one twelve-foot sluiceway equipped with stop logs and a pair of stationary winches. All materials, equipment and personnel were flown in from Sudbury and the entire flying bill paid by property owners on the Lake, as their contribution towards the cost of the construction of a permanent type of dam. This proved to be very efficient and economical, for the Department.

GENERAL DRAINAGE WORK

Running Creek Flood Relief, Gore of Township of Chatham, Kent County

Running Creek is an artificial channel constructed by the Dominion and Provincial Governments at the request of a number of land owners along its course. It was constructed to drain a large area of low-lying land immediately north and west of the Town of Wallaceburg, in the Gore of Chatham Township. A lot of this land is so low that embankments and pumping had to be resorted to, to drain it properly for agricultural purposes.

The channel normally empties into the North Branch of the Sydenham River on the outskirts of the Town of Wallaceburg. The Town of Wallaceburg is the junction point of three large streams, namely, the South Branch of the Sydenham River, which drains a large area of land forty miles to the east; the North Branch, which drains land for a distance of about fifty miles to the north-east; and Otter Creek, draining an area of about twenty miles to the northeast. Usually these three streams do not flood at the same time, but occasionally they do. At such a time, the water rises very high in the Town of Wallaceburg and considerable damage is done in the town and all the land in the vicinity of the town. When such floods occur, the flow of water in Running Creek is reversed and the water overflows the banks of the pumping schemes and floods the low lands to a depth of several feet, doing considerable damage to crops and buildings; many crops are ruined and settlers have to vacate their houses. This condition is gradually becoming worse as considerable drainage work is being done along all of these Rivers, causing the water to come down more quickly during spring floods and heavy rainstorms.

The pumping plants in the drainage schemes are capable of taking care of all flood water in their own areas, but cannot possibly handle the water which flows from the Sydenham River through Running Creek during floods. At one

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

time there were flood gates at the point where Running Creek enters the Sydenham River, which prevented the water from flowing into Running Creek during floods, but these gates have rotted away and have not answered their purpose for many years.

As an immediate relief of this situation, a channel was excavated from Running Creek to the Johnston Channel, a distance of nineteen hundred and seventy two lineal feet at the point where the two channels are the closest together at the line between Lots 4 and 5, Concession 1, Gore of Chatham Township. The bottom width was made fifty feet, the sides sloped at one and one quarter to one, and the depth of cut averaged about ten and one half feet. The Federal and Provincial Governments shared equally in the total cost which, including a new highway bridge on River Road, was \$28,266.45. The work was undertaken by the Township.

LOCKAGES

The following number of watercraft were locked through as follows:

	STEAMERS	SMALL BOATS	SCOWS	RAFTS	TOTAL
Port Carling	834	2,532	203	1	3,570
Huntsville		472		2	474
Magnetawan		30			30
					<hr/> 4,074

MUNICIPAL DRAINAGE

Grants totalling \$3,716.55 were paid in aid of Municipal Drainage in the following localities:

County or District	Township	Amount
Frontenac.....	Portland	\$ 298.65
Frontenac.....	Clarendon and Miller	499.80
Lennox and Addington.....	Sheffield	193.20
Norfolk.....	Simcoe	300.00
Renfrew.....	Alice and Fraser	256.00
Renfrew.....	Renfrew	156.15
Renfrew.....	Stafford	100.80
Renfrew.....	North Algoma	195.00
Simcoe.....	Sunnidale	1,716.95
		<hr/> \$3,716.55

PROVINCIAL AID TO DRAINAGE

In accordance with The Provincial Aid to Drainage Act, plans were examined, the completed work was inspected and grants in proportion to the construction costs were paid to the following Townships:

DRAIN	TOWNSHIP	COUNTY	AMOUNT OF GRANT
Bavin	Raleigh	Kent	269.00
Big Creek	Chatham	Kent	12,664.56
Big Creek	Tilbury North	Essex	17,852.81
Billings	Gosfield North	Essex	1,838.26
Blubacher	Mosa	Middlesex	229.00
Brown	Chatham	Kent	2,293.53
Cross Creek	Caledonia	Prescott	1,267.20
Deary	Raleigh	Kent	1,249.00
Deechan	Raleigh	Kent	544.50
Dittmer	Elma	Perth	385.33
Downie	Mosa	Middlesex	270.00
East Marsh Drainage Scheme	Mersea	Essex	740.73
East Sunnidale	Sunnidale	Simcoe	2,130.55
Eighth Concession	Gosfield North	Essex	1,993.07
Flook and Hinton	Raleigh	Kent	1,325.47
Forbes Drainage System	Tilbury East	Kent	8,340.09
Four Mile Creek	Niagara	Lincoln	4,212.67
Fourth Concession	Gosfield South	Essex	1,381.30
Gill	Raleigh	Kent	187.67
Goff	Howard	Kent	1,066.55
Gray	Chatham	Kent	2,315.16
Hill Drain No. 1	Aldborough	Elgin	1,275.88
Hill-Gosnell	Oxford	Kent	1,188.16
Inglis	Elma	Perth	447.00
Johnson	Osnabruk	Stormont	788.42
Johnston-Finline and Wootton	Orford	Kent	1,030.36
Keenan	Pelham	Welland	1,269.54
Little Forks	Wainfleet	Welland	1,687.31
Lorne English	Harwich	Kent	303.09
Maitland	Ellice	Perth	1,930.61
McCall	Morris	Huron	1,377.00
McDonald Robertson	Lochiel	Glengarry	1,987.45
McLellan-Booth Creek	Dawn	Lambton	1,333.57

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

DRAIN	TOWNSHIP	COUNTY	AMOUNT OF GRANT
Middle Road	Tilbury East	Kent	1,182.60
Moffatt Creek	Winchester	Dundas	2,986.98
Moore	Raleigh	Kent	828.33
Moran	Mosa	Middlesex	217.33
Mud Creek	Bosanquet	Lambton	1,208.83
Myers Pumping Works	Dover	Kent	2,158.90
Oliver Keys	Matilda	Dundas	2,208.71
Pegg	Howard	Kent	386.62
Pepper	Raleigh	Kent	310.40
Ross-Hall	Warwick	Lambton	1,356.20
Rundle-Wilcox	Enniskillen	Lambton	372.33
Shaw Creek	Cumberland	Russell	3,213.68
Snell	Raleigh	Kent	891.60
Stocking	Euphemia	Lambton	1,280.80
Stone	Orford	Kent	364.22
Talbot Road South	Maidstone	Essex	5,161.29
Tenth Concession	Maidstone	Essex	1,535.50
Terry Mechanical Drainage Works	Dover	Kent	2,452.74
Tomengo	Gosfield North	Essex	411.40
Toulouse Pumping Works	Dover	Kent	2,981.63
Twenty-Twenty-One Sideroad	Dawn	Lambton	2,457.92
Ward	Tilbury East	Kent	1,857.61
West Marsh Drainage Scheme	Mersea	Essex	2,922.47
J. D. Wilson	Harwich	Kent	474.18
			<hr/> \$116,397.11

W. L. RICE, P. Eng.,
Civil Engineer.

Statements
of the
Accountant
of
Public Works Department
1950 - 1951

Department of Public Works, Ontario.
TORONTO, March 31st, 1951.

The Honourable George H. Doucett, M.P.P.,

Minister of Public Works:

Sir:—

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Government Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1951.

I have the honour to be, Sir,

Your obedient servant,

S. WOOD,

Secretary and Accountant.

STATEMENT OF THE ACCOUNTS

Summary of Expenditure

For Fiscal Year April 1st, 1950, to March 31st, 1951

SERVICE	ORDINARY	CAPITAL	TOTAL
Main Office — Administration ex- penses etc.	498,062.33		498,062.33
Maintenance and repairs—Govern- ment Buildings	2,708,504.83		2,708,504.83
Public Works — Maintenance.....	99,714.21		99,714.21
Public Buildings		8,305,790.11	8,305,790.11
Public Works		163,993.26	163,993.26
Miscellaneous	24,589.65	501,374.82	525,964.47
Statutory-Drainage Aid	116,397.11		116,397.11
TOTAL NET EXPENDITURE...\$	3,447,268.13	8,971,158.19	12,418,426.32

Statement of Revenue

Commissions on telegraphs and telephones	4,853.66		4,853.66
Sale of material	2,225.59		2,225.59
Rentals	45,345.33		45,345.33
Perquisites	866.58		866.58
Building equipment	649.65		649.65
Miscellaneous	920.92		920.92
Sale of property.....		25,200.00	25,200.00
Contract security deposit.....		180.70	180.70
	54,861.73	25,380.70	80,242.43

TORONTO,
March 31, 1951.

S. WOOD,
Secretary and Accountant

Statement of Expenditure, Main Office, Maintenance Repairs and Construction of Public Buildings For Fiscal Year Ending March 31st., 1951

ORDINARY

SERVICE	AMOUNT	AMOUNT
MAIN OFFICE	\$	\$
Salaries	288,121.61	
Travelling expenses	16,167.22	
Maintenance	34,967.95	
Insurance	913.66	
Local Improvement taxes.....	609.72	
Unforeseen and unprovided.....	66.95	
Compensation—medical, etc., for injured workmen....	21,455.18	
Cost of living bonus.....	115,757.43	
Unemployment Insurance stamps.....	20,002.61	498,062.33

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

SERVICE	AMOUNT	AMOUNT
	\$	\$
GENERAL SUPERINTENDENCE		
Salaries	59,483.54	
Services, travelling and other expenses.....	<u>15,296.93</u>	74,780.47

LIEUTENANT-GOVERNOR'S APARTMENT

Salaries	3,979.92	
Maintenance	<u>1,385.24</u>	5,365.16

LEGISLATIVE and DEPARTMENTAL BUILDINGS

Administrative Services:

Salaries	47,044.95	
Telephone service	96,158.86	
Typewriter inspection and repairs for all departments	<u>17,999.68</u>	

Maintenance staff:

Salaries — permanent.....	134,285.46	
temporary.....	196,342.04	
casual.....	<u>115,906.12</u>	446,533.62

Maintenance:

Fuel, light, gas, water and power.....	168,759.41	
Cleaning supplies, upkeep of grounds..	41,395.07	
Furniture, furnishings and equipment for buildings	<u>12,842.28</u>	222,996.76

Repairs to Buildings:

Salaries — Mechanical staff.....	136,525.08	
Repairs and alterations.....	<u>301,699.61</u>	438,224.69
	1,268,958.56	
Deduct rentals	<u>3,250.00</u>	1,265,708.56

OSGOODE HALL

Salaries — permanent.....	27,164.26	
temporary.....	15,899.57	
casual	<u>7,319.19</u>	50,383.02

Maintenance:

Fuel, light, water and power.....	8,073.30	
Furniture, furnishings etc.....	12,513.35	
Telephone service	4,440.61	
Cleaning of buildings, etc.....	2,046.89	
General repairs and alterations.....	<u>22,409.06</u>	49,483.21
		99,866.23

STATEMENT OF THE ACCOUNTS

SERVICE	AMOUNT	AMOUNT
GOVERNMENT BUILDINGS	\$	\$
Agriculture	106,669.03	
Attorney General	70,313.92	
Education	177,742.56	
Health	349,365.90	
Lands and Forests	48,613.93	
Reform Institutions	84,181.39	
Travel and Publicity	1,635.52	838,522.25

ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS

Maintenance:

Salaries of Caretakers, cleaning supplies, fuel, electricity,
water, repairs to buildings and incidentals—

Kingston	7,439.92	
London	2,367.72	
Matheson	1,283.14	
New Liskeard	1,632.93	
North Bay (Health Clinic)	502.96	13,226.67

General:

Rentals and caretaking of leased premises and expenses in connection therewith	411,035.49	424,262.16
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PUBLIC WORKS

Maintenance:

Salaries—Lockmasters, Supervising Foremen, etc....	8,683.88	
Repairs to locks, dams, etc.....	79,079.68	
Equipment	1,821.35	
Maintenance of Hawkesbury-Grenville Bridge	10,129.30	99,714.21

MISCELLANEOUS

Preparing and installing exhibits for Government De- partments, including costs of electric services and other expenses in connection therewith	24,589.65	24,589.65
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REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1951

SERVICE	AMOUNT	AMOUNT
	\$	\$
STATUTORY: Drainage Aid—		
Townships of:		
Aldborough	1,275.88	
Bosanquet	1,208.83	
Caledonia	1,267.20	
Chatham	17,273.25	
Cumberland	3,213.68	
Dawn	3,791.49	
Dover	7,593.27	
Ellice	1,930.61	
Elma	832.33	
Enniskillen	372.33	
Euphemia	1,280.80	
Gosfield North	4,242.73	
Gosfield South	1,381.30	
Harwich	777.27	
Howard	1,453.17	
Lochiel	1,987.45	
Matilda	2,208.71	
Maidstone	6,696.79	
Mersea	3,663.20	
Morris	1,377.00	
Mosa	716.33	
Niagara	4,212.67	
Orford	1,394.58	
Osnabruck	788.42	
Oxford	1,188.16	
Pelham	1,269.54	
Raleigh	5,605.97	
Sunnidale	2,130.55	
Tilbury East	11,380.30	
Tilbury North	17,852.81	
Wainfleet	1,687.31	
Warwick	1,356.20	
Winchester	2,986.98	
		116,397.11
TOTAL ORDINARY EXPENDITURE.....		3,447,268.13

STATEMENT OF THE ACCOUNTS

SERVICE	AMOUNT	AMOUNT
CAPITAL		
PUBLIC BUILDINGS		
To provide for construction of new buildings and works, purchase of lands and buildings, including additions, alterations, equipment and extension of services to existing buildings and works, etc.....	8,305,790.11	8,305,790.11
PUBLIC WORKS		
Municipal Drainage, including Grants in aid thereof	3,716.55	
Storage dams and docks.....	<u>160,276.71</u>	163,993.26
MISCELLANEOUS		
Grant—City of Sudbury.....	305.40	
Grants — Conservation Authorities—		
Austable River	62,092.50	
Etobicoke River	160,334.73	
Ganaraska River	5,235.31	
Grand River	22,417.06	
Upper Thames	<u>146,959.30</u>	397,038.90
Aid — Flooding — Lake Nipissing....	86,717.54	
Aid — Dredging — Muskoka.....	17,312.98	501,374.82
TOTAL CAPITAL EXPENDITURE.....		<u><u>8,971,158.19</u></u>

SUMMARY

ORDINARY EXPENDITURE

Main Office and Maintenance and Repairs of Government Buildings.....	3,447,268.13
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CAPITAL EXPENDITURE

Public Buildings and Public Works.....	8,971,158.19
	<u>\$12,418,426.32</u>

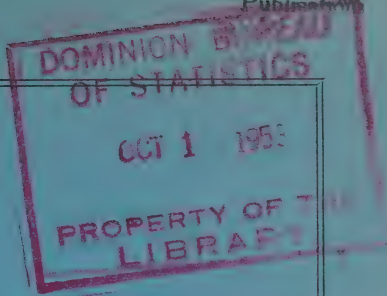
S. WOOD

Secretary and Accountant

TORONTO, March 31st, 1951.

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Government
Publications



Report

of the

Minister of Public Works

for the

Province of Ontario

for the

Twelve Months Ending March 31st, 1952

1951/52

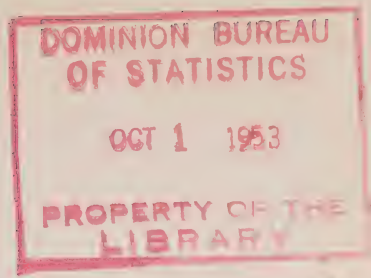
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ONTARIO

TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE
QUEEN'S MOST EXCELLENT MAJESTY, 1953



Report

of the

Minister of Public Works

for the

Province of Ontario

for the

Twelve Months Ending March 31st, 1952

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL No. 19 — 1953



TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE
QUEEN'S MOST EXCELLENT MAJESTY, 1953

To:

The Honourable Louis O. Breithaupt,
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the reports of the Deputy Minister, Chief Architect, Engineer, Secretary and Accountant for the twelve months ending the 31st. of March, 1952.

Respectfully submitted,

FLETCHER S. THOMAS,
Minister of Public Works.

Department of Public Works, Ontario,
TORONTO, June 30, 1952.

REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

THE HONOURABLE FLETCHER S. THOMAS, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying report of the Chief Architect, Engineer, Secretary and Accountant for the financial year April 1, 1951 to March 31, 1952.

CHIEF ARCHITECT'S REPORT

The report of the Chief Architect deals in detail with the many types of construction projects undertaken by Public Works to meet the requirements of the various Government Departments. A large amount of work has been carried out for the Department of Health in the erection of new Mental Hospital Buildings to increase the bed accommodation, lock-up and detachment buildings for use by the Ontario Provincial Police, additions to the Ontario Reformatories, buildings for the Department of Agriculture, and numerous projects for the Department of Lands and Forests throughout Northern Ontario. Renovations and fireproofing of many of the older buildings have been undertaken and this work is continuing, as well as a large amount of repair work necessary to maintain the public buildings in a reasonably good state of repair.

ENGINEER'S REPORT

Reconstruction of five dams has been completed, while work on two others has commenced. Major repairs were effected on seven dams, and general repairs and maintenance of locks, dams and navigable channels were carried out where required, both in Northern and Southern Districts.

Financial aid was granted to one hundred and sixty drainage schemes under the provisions of The Provincial Aid to Drainage Act. This is a marked increase over the fifty-seven in the previous fiscal year.

SECRETARY AND ACCOUNTANT'S REPORT

The following figures show the increased volume of construction accomplished this year:

EXPENDITURES

<i>Fiscal Year</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
1951-52.....	3,658,501.86	9,890,022.40	13,548,524.26
1950-51.....	3,447,268.13	8,971,158.19	12,418,426.32
Increase.....	211,233.73	918,864.21	1,130,097.94
Percent Increase.....	6.127%	10.242%	9.1%

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS

Deputy Minister of Public Works and Chief Architect.

TORONTO, March 31, 1952.

REPORT OF THE CHIEF ARCHITECT

To:

The Honourable Fletcher S. Thomas, M.P.P.,
Minister of Public Works.

Sir:

I have the honour to report on the work done by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1951, to March 31st, 1952, as follows:

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Parliament Buildings, Main Building and North Wing

During this year under review, considerable work and changes were carried out, keeping in mind the necessity of taking care of the fire hazards and following out the programme as recommended by the Fire Marshal.

The entrance to the East and West Galleries of the Legislative Chamber were remodelled, making floors and ceilings fireproof and providing a new stairway to the fourth floor, thus making a fire-protected exit leading to the Fire Stairs. Work on the new Central Elevators and Fire Escape Stairs was completed during the fiscal year. The partition at the third floor was remodelled, and better ventilation and lighting provided for the Hansard Office.

A new tunnel for service pipes was built at the East end of the building and steam and electric services were removed to the new entrance to the building. This work was done in connection with the remodelling and fireproofing of the East End Elevators and Staircases.

Alterations were made to provide a permanent Office for the Government Whip and to provide extra Office Space. Partitions were placed in several offices to divide the working space to provide more offices. Several offices were equipped with accoustic tile where the noise of business machines was excessive.

Considerable shelving was built in the main Treasury Vault. A new washing machine was installed in the Laundry and also a new Ice Making Machine.

General repairs were made to the building, the equipment and the furniture. A great deal of painting of the halls and offices was done. Repairs were made to the Sidewalks at the North of the building.

A five zone system of automatic temperature control was installed in the Greenhouses.

Changes and renovations were made to the fire mains. Steam and return mains and discharge lines were re-arranged and installed prior to the erection of the new Fire-proof Stairs in the East Wing.

The Main Building is operating on a 60-cycle conversion basis and renovations and additions are being made to the existing wiring for increased lighting and power loads.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Considerable repairs, replacements, and alterations were made as required to the Main Heating Boiler Plant distributing steam and supplying heating services to the Main Parliament Buildings, East Block, and connected buildings which include 7 Queen's Park Crescent, 11 Queen's Park Crescent, 13 Queen's Park Crescent, 15 Queen's Park Crescent, Department of Highways Garage, Ontario Provincial Police Garage, the Psychiatric Hospital and the Banting Institute.

East Block

As in the Main Building general repairs were made by all trades to maintain the building and contents in a good state of repair.

Work is progressing on the electrical power conversion from 25 to 60 cycles, and equipment is being installed for a heavier load. Rearrangements of the present Heating System were made, and a new Air Conditioning Unit installed on the seventh floor to meet the requirements of the Switchboard personnel located here.

Installation of a new domestic Hot Water Storage Tank was made in the Tower of the East Block. Steam Flow Meters for metering and recording supply of steam to the East Block, Parliament Buildings, etc., were installed in the Boiler Plant.

11 Queen's Park Crescent

Shelving was erected in the Store-room to take care of literature for the Department of Civil Defence.

13 Queen's Park Crescent

General repairs were made for the upkeep of this building.

15 Queen's Park Crescent

The old Sunroom in this building was enclosed and made habitable to provide extra Office Space for the Accounting Branch of the Department of Public Works. A new roof covering was put on, and Offices were duly painted and general repairs made where necessary.

20 Surrey Place

New Lift-up Doors were installed to replace the Folding-type Doors. General repairs were made where necessary.

Osgoode Hall

Two steel ladders were erected from the second floor to the roof of this building for Fire-protection purposes. New hot and cold water pipes were installed from the basement to the second floor, old partitions were dismantled in the offices of the Official Guardian, floors relevelled, and plywood underlay and linoleum laid in the offices. Major roof repairs were duly completed during the fiscal year, and new Gates erected for the convenience of Fire trucks. All necessary plumbing repairs and general maintenance were made during the fiscal year, and where necessary defective piping was replaced. New lighting fixtures were installed in No. 1 Court of Appeal Room.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

454 University Avenue (Liquor Control Board Office)

The exterior of this building was completely repainted and considerable rearranging and additions were made to the existing Water-piping System throughout the building. All necessary repairs and replacements were provided to maintain the Boiler Plant in good order.

206 Huron Street

In accordance with the Fire Marshal's recommendations a new steel fire escape was erected connecting all floors to the ground on the west-erly side of the building. Major repairs were made to the chimneys and the masonry pointed. A new roof was installed on the westerly side of the building. The bridge connecting 206 to 210 Huron Street was repaired. The old boiler room was reconstructed. Sidewalks were repaired and re-placed where necessary. Plumbing repairs and general maintenance work was carried out.

210-216 Huron Street

A new School and Administration Room were constructed on the top floor of this building for the accommodation of Municipal Fire Officials. A masonry fireproof room was built to store special equipment. Plumbing and general maintenance work was carried out.

291-295 Sherbourne Street

In this building all Chimneys were repaired. A new roof was installed over the Main Classroom and new wooden Fire-escapes duly constructed and erected in compliance with the Ontario Fire Marshal's recommendations. All necessary plumbing repairs and general maintenance work was completed throughout the fiscal year.

807 Richmond Street West

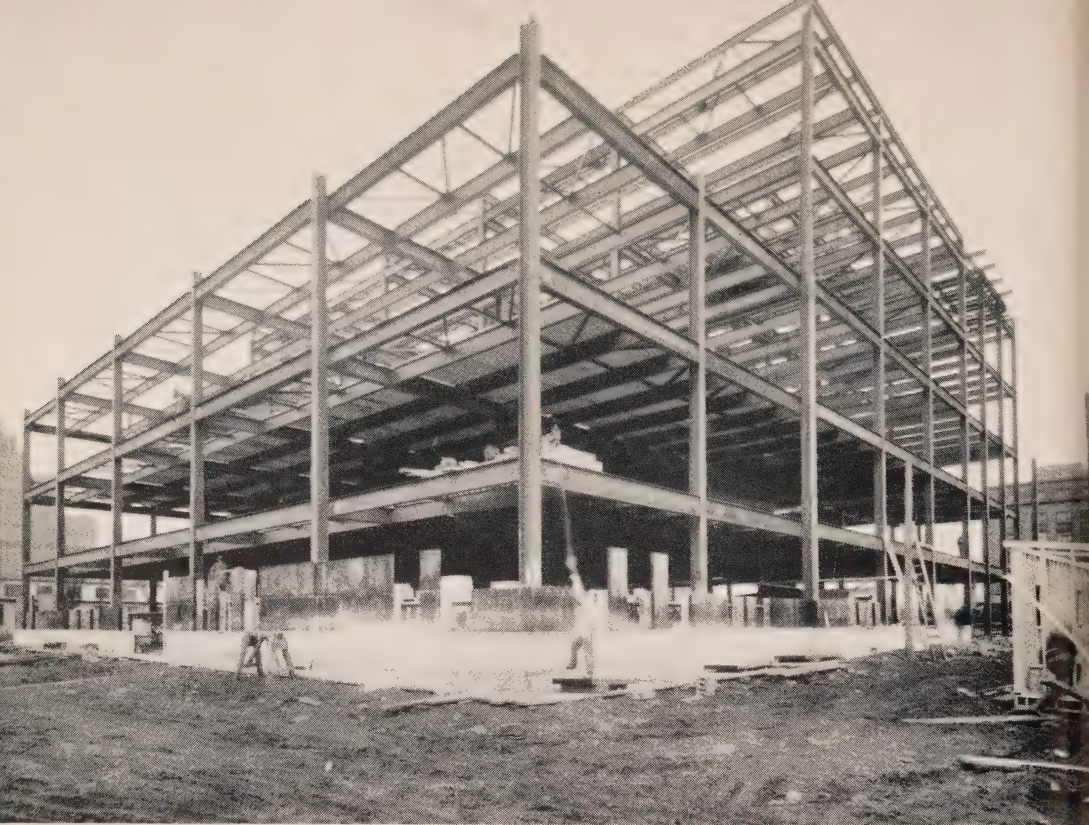
A Gas Water Heater was installed in the Laboratory. Major repairs were made to the metal roof on the South-east side of the building and necessary plumbing repairs and piping rearrangements were made as required during the fiscal year.

Leaside 1075 Millwood Road

Necessary plumbing and heating repairs were carried out and the Boiler Plant cleaned and maintained. New Ventilating Transoms were duly installed in the office on the East side of the building occupied by the Motion Picture Censor Board.

Queen's Quay

On this building, used as an Ontario Provincial Police Garage, the metal windows were repaired and new fasteners installed, also plumbing repairs and general maintenance work was completed during the fiscal year. Changes in the layout of this building were made to provide additional Office Space.



Workmen's Compensation Board Building, Toronto

SHOWING PROGRESS OF CONSTRUCTION OF THE HEAD OFFICE OF THE
WORKMEN'S COMPENSATION BOARD

Workmen's Compensation Board Building

Plans were completed by the Department of Public Works on or about October 20th, 1950, for the erection of a building for the Head Office of the Workmen's Compensation Board of Ontario, the details of which are as follows:

The specific location of this building is identified as No.90 Harbour Street. This building when completed will comprise five principal storeys in height, plus a two-storey penthouse, and is structurally and architecturally designed to accommodate the future addition of two complete floors.

Concrete piping was completed in the late Autumn of 1950 and on or about March 10th, 1951, work was commenced on the construction of the concrete caps over the pile clusters which, together with the grade beams, form the foundation key for the superstructure of the building. Sub-grade plumbing and electrical work was placed in position and a 2" concrete skim slab was poured on the filled-in area below the finished ground floor slab between the pile caps. This work was completed on or about November 28th, 1951, and as the structural steel could not be obtained before the middle of March, 1952, this job was temporarily closed down. Subsequently it was found that some steel could be in readiness by the middle of February therefore work was commenced preparing the foundation for the column base plates. Work was also commenced preparing the concrete

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

grade beams for waterproofing. The first steel column was raised on February 15th, 1952, and the steel framing progressed consistently as the supply of same became available. The initial stonework was begun about March 12th, 1952. On March 14th, 1952, the first of the black granite spandrel was being set. Some of the pre-cast concrete floor slabs were installed on the fourth floor.

67 College Street (Old Sick Children's Hospital)

The work of remodelling this group of buildings was well on the way to completion during this fiscal year to provide additional space for Government Offices. The group is made up of the following units:

- (a) The North Block, facing College Street, and consisting of five storeys and basement, of non fire-proof construction, necessitated special provision of Fire Blockades and Exits.
- (b) The West Wing, consisting of five storeys and basement, of semi fire-resistant construction, did not present the same problems as the North Block with regard to Fire Exit protection but did involve a large amount of renovation to adapt same for the use of offices.
- (c) The Central Block which formerly housed the hospital Laundry and Dairy, with small dormitory above, has been renovated to provide a Department of Public Works Stores, Service Offices, and an apartment for the Superintendent of the Buildings. The Main Power Plant is located below grade in this Central Block.
- (d) A smaller unit known as the East Block and fronting on Laplante Street has been converted for the use of Department of Public Works Shops (carpenters, painters, etc.) and associated stores.

It should be mentioned that the North Block is connected to the West Wing and the Central Block by means of a one-storey north-south corridor.

This work has consisted of alterations, renovation and general face-lifting throughout, including the general and structural trades as well as the work of the mechanical trades.

1200 Sheppard Avenue (Toronto)

In the Department of Public Works Shops located at this center, considerable work was carried out for this Department as well as for other Departments of the Government. This work consisted of the manufacturing of cabinets, cupboards, work tables, benches, racks, window frames, etc.

During the year a new Cast Iron Water Service was constructed to the Main Building, following the installation of a 12-inch Water Main commencing at Dufferin Street and running westerly along Sheppard Avenue. General repairs were made to this group of buildings as required.

353 Richmond Street, London

This building has been completely altered, renovated and furnished to meet requirements for occupancy by the Ontario Savings Offices and other Departments of the Provincial Government.

The Banking Section has been modernized, which has included the construction of a new vault, refinishing of plaster work, redecorating,

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

revision of plumbing, heating and wiring, new lighting and banking fixtures, floor coverings and improvement in accoustics. The Front Section has been completely refinished and redecorated. On the exterior, a new 20-year bonded roof and copper flashings have been applied and all exposed woodwork has been re-painted.

The appearance of this building will be improved in the next fiscal year by the cleaning of the cut stone work on the Richmond Street frontage.

Leased Premises

1118 Bay Street, Toronto

A training equipment Store-Room was constructed, and all necessary electrical lighting improvements were carried out during the fiscal year.

38 Melinda Street, Toronto

Alterations and renovations were carried out here to provide Offices for the Official Guardian.

FOR THE DEPARTMENT OF AGRICULTURE

Ontario Agricultural College, Guelph

Massey Library

In order to provide a Student Lounge and Snack Bar in the formerly unexcavated basement of the Massey Library further work was carried out this year in the removal of the old lighting system, and the alteration of the heating and plumbing system, also the addition of a Ladies' Wash room. The floor of the Lounge was covered in marble tile, the ceiling in accoustic tile and the walls with asbestos cement boards. Two new entrances to the basement were cut, finished with brick porches and concrete steps to harmonize with the outside appearance of the building. This work including the painting has been fully completed.

Dairy Building

A two-storey solid brick addition was made to this building for the purpose of receiving and testing milk. A modern Milk Elevator and Conveyor was installed. Roofing and flashing repairs were made.

Power Plant

Work was done on the remodelling of a portion of the Fan Room, necessitating the removing of the draft fan to a new location, and considerable underground work was necessary to install a draft tunnel to the boilers. This work has been fully completed.

Nutritional Laboratory Building

New heating equipment was duly installed and the wiring of the building was completed.

Piggery Research Building

This building is being erected to facilitate the work of scientific research in the field of breeding and raising hogs. This building is of frame construction and two storeys high, with a concrete foundation and aluminum roof. This building when completed will be equipped with the most modern Laboratory equipment. Overhead Electric lines and polework is now in the course of erection and about 15% complete.

General Repairs

The interior of a Loxtave hut was remodelled to accommodate a Laboratory and Classroom for the Histology Department. Slate roof repair work was finished, and repairs made to flashings on the Agricultural Engineering Building. A centre concrete walk was laid in one of the Greenhouses and considerable painting was undertaken in various buildings on the College grounds. Several large laboratories were equipped by this Department with blackout blinds.

DEPARTMENT OF AGRICULTURE

MacDonald Institute

During this fiscal year the erection of a new two-storey addition of brick construction and steel joists was well underway. The floor areas are being fully fireproofed. This building will be used to teach the Fourth Year Science Course for girls in Ceramics, Woodwork, Metal Work, Leather, Lino Craft, Textiles and Household Science, and is completely furnished with modern equipment. The work on this project has progressed to the second floor level.

Before the erection of this new addition, the existing building was being altered from time to time to improve the general teaching facilities, until such time as the new building had been erected.

New partitions of asbestos cement board were erected in the corridors and stairways as required by the Fire Marshal, also fire doors were duly installed. Two Fire-Tower Stairs of solid brick were built to enable steel stairs to be installed. A temporary Hot Water Heater was installed to replace the old one, and painting work was proceeded with where necessary. The existing sub-station was completely rebuilt to take care of the increased electrical load caused by the additional construction work.

Dining Hall

The floor of the Dining Hall was entirely covered with $\frac{1}{4}$ " plywood over which felt and linoleum was laid. The old insulation in the six Walk-in Refrigerators was removed and replaced by new 4" cork insulation, finished with cement plaster and duly painted.

Administration Building

The Post Office and equipment were removed to make way for an extension to the Photographic Department, which consisted of outfitting three Dark Rooms with sinks and providing space for benches and cupboards where necessary.

Ontario Veterinary College, Guelph

Work is in progress installing special heating equipment to meet requirements of the Department of Agriculture in the Research Units.

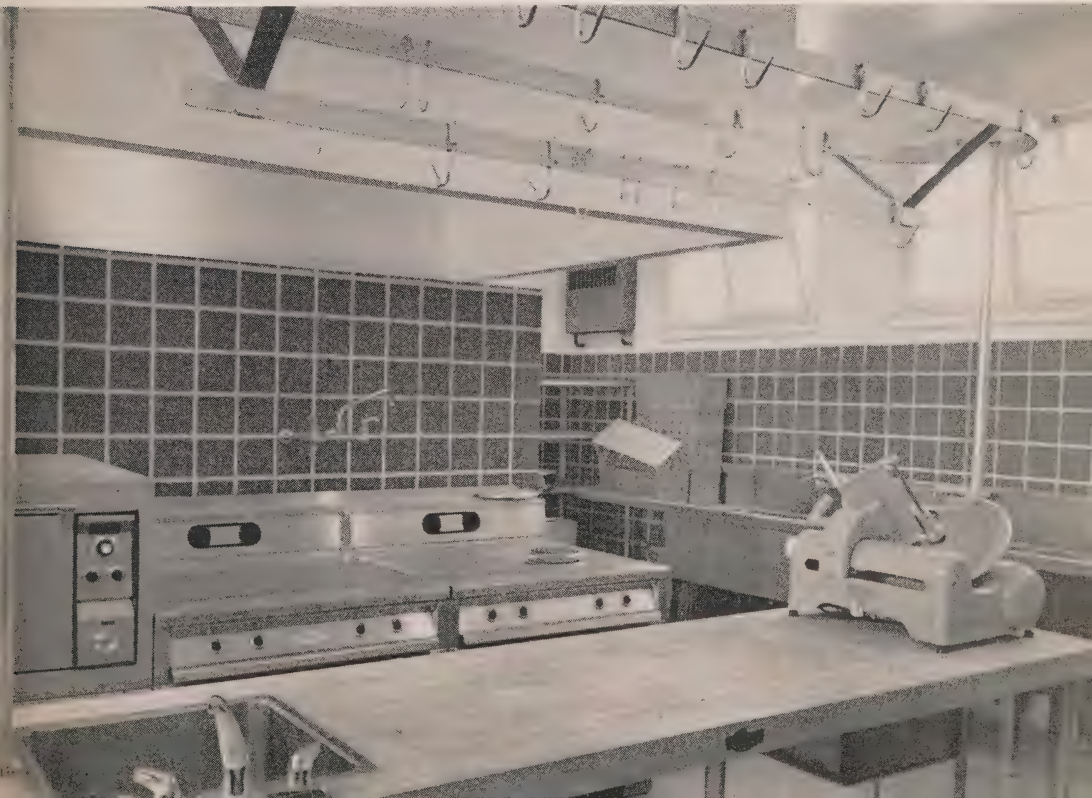
Truck and Car Garage

This Garage building of solid brick was built of fire-resistant construction to house three trucks and three cars. The second storey is to be used as a special Laboratory for research work on poultry, and completely furnished with necessary equipment for experimental research.



Section of Students' Diningroom, Boys' Dormitory
EXPERIMENTAL FARM, RIDGETOWN

Main Kitchen, showing Electric Range, Boys' Dormitory
EXPERIMENTAL FARM, RIDGETOWN





Students' Bedroom, Boys' Dormitory

EXPERIMENTAL FARM, RIDGETOWN

Experimental Farm, Ridgetown

The new Boys' Dormitory was opened temporarily on October 28th, 1951, to permit the commencement of the classes of the Department of Agriculture. This was done upon the request of the Director of the Experimental Farm at Ridgetown, and after the opening, the Department of Public Works carried on with the balance of work on this building. Such work consisted of the painting inside and outside, completion of wiring, construction of roads and sidewalks and building of a Disposal plant. The heating and plumbing work was also completed. The existing Town 4-inch cast iron Main, running along the Northerly side of Highway No. 21, was extended to provide water adequate for domestic use and fire protection. A 10-inch Vitrified Clay Tile Storm Drain was constructed and a reinforced concrete underground two-compartment double unit Septic Tank installed for disposal of sanitary sewage.

Horticultural Experimental Station, Vineland

The rear North portion of the Administration Building was changed into a Soil Testing Laboratory and the Electric Wiring was overhauled. Essential repairs were also made to the plumbing and heating systems. The roadways around this building were re-surfaced, and a quantity of stones were piled along the shoreline to prevent erosion.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

Fruit Inspection Station, Fruitland

(Department of Highways Weigh Bridge Building)

A filtered water supply with complete plumbing and drainage system has been installed in both of these buildings. A sewage disposal system has also been installed complete with disposal bed to serve both Buildings. The exterior of the building was painted and Floodlighting was installed to illuminate the buildings and the driveway approach.

Fruit Inspection Station, Gravenhurst

Floodlighting has been installed to illuminate the front of the building and the driveways. The road signs were also illuminated. New blinds were fitted on the front windows. Heating system controls were overhauled and put in operating condition.

Fruit Inspection Station, Wheatley

The walls of this building were cleaned and painted, and the exterior was given two coats of paint. Floodlighting was also installed at this Station similar to the Gravenhurst and Fruitland Stations.

Fruit Inspection Station, Winona

Installation of floodlighting was designed and completed.

Demonstration Farm, New Liskeard

During the year the buildings on this Farm were partially painted. A portion of the barnyard area approximately 40 x 80 feet was graded with rock and gravel and a concrete slab was poured.

Agricultural School, Kemptville

The old shed at the rear of the Principal's House was removed and a new addition built, to provide a wash room with wash basin, flush toilet and mirror medicine cabinet. A one-car garage was also erected as well as a small room off the kitchen, also new stairs were built to the the basement of the house and the garage. Considerable work was done on the new Water Distribution System, which consisted of the laying of service connections to the various houses and barns. A 6" CI pipe line was laid from the Campus to the Livestock Building. A new Stationary Fire Service Pump was installed so that the water pressure can be increased for fire purposes when required. Considerable plumbing work was carried out in the various buildings. Renovation of electrical wiring was duly completed in six Staff Residences. Supplementary Fire Protection Apparatus was supplied.

Rural Youth Training Centre, Cayuga

Maintenance repairs to the floor structure of the H-type Hut were undertaken in 1951 and will be extended during the present fiscal year. General repairs were made to this building as required.

FOR THE DEPARTMENT OF THE ATTORNEY GENERAL

PROVINCIAL POLICE DETACHMENT OFFICES

Atikokan

Some minor repairs and improvements have been made to the Building and Annex.

Bancroft

When the dry season of the year commenced on or about the beginning of July the drilled well which was the source of supply of drinking water, dried up, which necessitated having to dig a deeper well in another location. A new deep well Jet-type Pumping System was then installed and this has since been operating satisfactorily. Keyed-Alike Door Locks were installed, and the interior of this building was completely painted. This building was completely re-wired and the landscaping was duly completed by the Department of Highways, and the whole turned over to the Ontario Provincial Police.

Bracebridge

The Constables' Quarters located in this building were rewired. Defective eavestroughing was repaired. The lawns were levelled and seeded where necessary.

Britt

A new Provincial Police Lock-up and Constables' Residence was constructed, consisting of a 3-stall Garage with Bachelor Quarters above, and another unit providing a 6-room Married Quarters with a Lock-up having two male cells and two female cells. A Hearing Room was also provided in the basement. Necessary landscaping was carried out and a temporary water supply obtained from a drilled well.

Cobourg

A property was purchased near Cobourg for the accommodation of the Provincial Police and complete alterations and renovations were made, the work consisting of painting the exterior and interior, converting a room in the basement for a lecture room, and installation of a Dark-Room for photographic and fingerprint work. The old Built-in Garage was extended to accommodate two cars and minor repairs and changes were made in the lighting of the rooms. Landscaping work was carried out.

Elk Lake

Repairs in this building were made to the Water System and the plumbing was overhauled.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st. 1952

Emo

A residence was acquired and renovated for the accommodation of the Police Constable in this District. This residence was completely remodelled in every respect, which included re-wiring where necessary, painting throughout and covering all floors with tile-effect linoleum. A well was drilled near the residence and a Jet Pump installed in the basement.

Englehart

Minor repair work was completed and necessary painting done.

Kakabeka Falls

Negotiations are under way for the purchase of an older building from the Red Cross to be used by the Provincial Police as a residence and office for the Highway Patrol personnel.

London

The building acquired on Centre Street, Westminster Township, near London, for Ontario Provincial Police has been completely renovated and re-arranged to suit requirements, including complete re-wiring, new septic tank and drainage, additional garage accommodation, paved driveway and parking area.

Matheson

This building was purchased and renovated to take care of the requirements of the Provincial Police personnel. On the first floor, office accommodation has been provided for, and on the second floor living quarters have been set up. The interior of this building has been decorated throughout. Linoleum was laid throughout the Courtroom, Hallways and Offices, and a new Low Pressure Steam Boiler installed. Electrical installations were completed.

Minaki

A residence building was purchased for the accommodation of the Ontario Provincial Police.

North Bay

In this new Provincial Police Building a canopy was erected over the rear entrance of the building and a general overhaul job was made to the heating system.

Oakville

Bordering on the Queen Elizabeth Way in Oakville on a lot 115, x 110' a partially built building was purchased and completed for the Provincial Police. During the fiscal year this structure has been enlarged to a one-storey over basement, steam heated building, which on completion will be most modern in every respect and capable of accommodating a staff of twenty-four. Adjoining this new Provincial Police Building, a 5-car Steam Heated Garage has been erected.



Ontario Provincial Police Detachment Office

OAKVILLE

Owen Sound

The exterior walls of this building have been re-surfaced with Insul brick, new glassed-in Porch added to front, and a Porch built over the basement side entrance. This building was completely re-wired. A new Septic Tank with disposal drainage has been installed. The building has been painted inside and outside and the floors covered with linoleum. A new toilet was added to the ground floor.

Port Arthur

A large residence was purchased on October 26th, 1951, by the Department to be converted into a Headquarters Building for the Provincial Police.

Rainy River

The cells at the old lock-up at Red Lake were dismantled and forwarded to Rainy River on November 15th, 1951.

Red Lake

Minor repairs and alterations were carried out as required.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

Schreiber

A lot was donated by the Town of Schreiber and a contract let for the erection of a Lock-up with Garage and Living Quarters for the personnel of the Provincial Police.

Sebringville

The alterations and renovations as per Department of Public Works plans and specifications started in May, 1951, have been completed to meet requirements of the Ontario Provincial Police, who have now occupied the building for some months. A well has been drilled on the property and connections from same to the main pipe line will be completed at an early date.

Simcoe

Arrangements for purchase of a property at Simcoe were completed in March, 1952. These premises are on the North side of No. 3 Highway about one mile East of the Town of Simcoe and consist of a bungalow type, one-storey with basement, brick veneer House, including Garage attached. Minor alterations were carried out.

Sioux Lookout

Work was started on the erection of two new Houses and the installation of a Basement under the existing Houses. A new Disposal System serving these Houses is nearly complete. The winterizing of one House is 75% complete and other five Houses are under way. The work consists of constructing the basements, installing furnaces, repairing plumbing, re-wiring, and insulating the Houses throughout.

Sudbury

An apartment house was purchased and remodelled to give office space for Police Headquarters along with accommodation for three Married Quarters and some rooms for single men. This building was completely renovated.

Temagami

A Circulator Pump and Meter was installed in the heating system and two radiators were lowered from the ceiling to the floor level in the Hearing Room.

DISTRICT BUILDINGS

ALGOMA-MANITOULIN

Gore Bay

This Court House and Registry Office building was renovated throughout, which included the installation of new furniture, new wash-rooms, fire doors, and the complete painting of the inside and outside of the Building.

DEPARTMENT OF THE ATTORNEY GENERAL

COCHRANE NORTH

Cochrane

On this District Court House and Registry Office building, repairs were completed to the Stone Entrance Steps, a new roof installed and a jacket heater for domestic hot water supply re-located.

NIPISSING

North Bay

At this District Court House a new chimney was built, the section over the Judges' Quarters was insulated, and the exterior trim and sills repaired. New eavestroughs and down pipes were installed, and the front Entrance Doors were widened. A new domestic hot water tank with Immersion Heater was installed. Lighting on the stairway leading to the attic over the Judges' Chambers was replaced with new fixtures. The interior of the building was painted and decorated throughout. The exterior brickwork of the building was completely painted with brick-red paint and the exterior trim also painted.

SAULT STE. MARIE

Sault Ste. Marie

Plans were prepared for re-wiring this Court House and a minor amount of work has been completed.

SUDBURY

Sudbury

Considerable remodelling was carried out in the Court House to accommodate the newly appointed Judge, and also provide small private Court Rooms for each of the two Judges along with private Chambers and Washrooms. Two new stokers were installed in the central Heating Plant situated in the Court House. The Court House was re-wired where necessary.

TEMISKAMING

Court House, Haileybury

The Heating System in this building was repaired, also repairs made to the roof. Two new coal trucks were built.

Registry Office, Haileybury

The interior of the building was completely redecorated, the roof repaired, new linoleum laid on floors and general repairs made to the interior of the building.

FOR THE DEPARTMENT OF EDUCATION

Ontario School for the Deaf, Belleville

During the past year four Staff Residences were re-roofed. Leaded glass in the Main Building was repaired and replaced where necessary. New window shades were installed in the Assembly Hall. Relative to the Fire Marshal's report considerable work was undertaken to make the various buildings more fireproof: In the Hospital Building fire escapes were erected and fire-exit doors installed.

The existing Rifle Range was remodelled to accommodate the Agricultural and Mechanics Club. This work consisted of installing new windows, laying of a new concrete floor, and the ceiling was made fire-resistant. The Mechanics' Workshop was completely re-wired, and the street and campus were illuminated with new lighting fixtures.

Repairs were made to the settings of No. 1, 2 and 4 boilers and a new Stoker was installed under No. 4 boiler. Seven baths were installed in the Girls' Dormitory basement. A new Circulating Pump was installed and improvements made in the piping of the hot water heating system in the Bursar's House.

Ontario School for the Blind, Brantford

Several improvements were made in the main Kitchen which consisted of building kitchen and pantry cupboards, installing shelving, bake table, bins, also sink and counter tops, etc., and provision made for setting up two new ovens for baking and roasting, also a new bake and tray rack were installed.

In the Pump Room immediately adjoining the Boiler Room, a new mezzanine floor of reinforced concrete supported on steel beams and brick wall has been constructed, upon which hot water and receiving tanks are located. A new Washroom Enclosure with shower, toilet, basin and steel lockers has been provided. Work has commenced on the alterations to the Barn to convert this building into a Garage for the accommodation of trucks.

A separately controlled underground Steam Main was installed in the Hospital Wing. The existing auxiliary pumps and apparatus was rearranged, and a new complete Piping Distributing System was installed. Renovation of Gate House is now practically complete. The renovation and redecoration of the Superintendent's Residence has been fully completed. While some work of re-setting and suspending the boilers was carried out during the previous year, some work remained to be completed. The main Administration Building is presently being re-wired, mainly in conduit, and will include new lighting fixtures. A new Clock and Programme System was installed in the main Administration Building, to replace the worn out and obsolete system. A new Telephone System was installed during the Fiscal Year. A contract was let for the building of a new fireproof Junior School Building and Hospital Wing on January 29th., 1952.

DEPARTMENT OF EDUCATION

Normal School, Hamilton

Various repairs have been carried out, consisting of the following:

Resurfacing of schoolroom blackboards.

Minor repairs made to windows and floors in basement.

Painting Girls' Locker Room.

Screening of large windows in front Stairway.

Preliminary work was commenced relative to recommendations made in the Fire Marshal's report, namely:

Boiler settings of No. 1 and 2 boilers were deepened and concrete pits constructed for installation of two new under-fed stokers which were purchased and installed under these boilers.

Preparations were made for the installation of a new jacket heater connecting to the new Domestic Hot Water Storage Heater to enable generating the hot water during the summer months.

The old one-pipe heating system was revised and converted to a two-pipe trapped return system.

Plans were made to proceed with installing fire-stop screens to stairway enclosures.

Provincial Institute of Textiles, Hamilton

Plans for a large one-storey addition East of the present shop section of this building have been completed and preliminary work has been started on excavation and the foundations, including wire fence on the South side of the property. In the Main Building proper, minor repairs have been effected, such as adjustments to the plumbing in the Laboratories.

Normal School, London

Preliminary work to meet the recommendations of the Fire Marshal was carried out during this Fiscal Year. All basement windows were screened. A new domestic hot water Storage Heater was installed with heating element, and the heating system was generally overhauled. The wiring system for light and power is undergoing complete revision. School blackboards were re-surfaced and re-set.

Normal School, North Bay

The Home Economics Room was remodelled. New cupboards, sink, electric ranges, refrigerator and electric outlets were installed. A new linoleum and tile floor was laid and interior painting duly completed. No. 1 boiler was re-tubed and welding repairs made. On the exterior of the building the brickwork was repointed and woodwork completely repainted. The eavestroughing was repaired where necessary. The entrance steps were rebuilt with concrete, and a steel handrailing installed. A new roof was laid. The old broken retaining wall built around the building was removed and replaced by landscaping and sodding.

Normal School, Ottawa

Roof repairs were made to the slate roofs. Six Exit Doors were repaired and made to operate more freely, also the panic-bolt hardware on

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

all doors was adjusted and repaired. A fence was built of 1¼" galvanized iron pipe along the concrete walk to both girls' and boys' entrances. Fluorescent light fixtures were installed in the Music Room which is occupied by the Community Programmes Staff. In compliance with the Fire Marshal's recommendations, exit lights were installed in the Auditorium and outside corridors. Considerable repairs were made to the plumbing and heating systems to maintain the systems in good order.

Normal School, Peterborough

A new wiring system was installed during this Fiscal Year, together with lighting fixtures and electric clocks being installed in all Class-rooms. Necessary plumbing repairs were carried out throughout the year.

Normal School, Stratford

Repairs were made to concrete steps at West Side Entrance and temporary repairs made to the Offset in front wall where leakages had developed. New stokers were re-wired. The Boiler Plant was converted from a High to a Low Pressure System, and considerable work was carried out in the deepening of the boiler settings, and the construction of new concrete pits to accommodate the new stokers which were installed under No. 1 and No. 2 boilers.

Normal School, Toronto (Pape Avenue)

The hardwood flooring in the Auditorium was repaired and some sections relaid. Three new toilet tanks were installed in the Ladies' Lavatory on the ground floor. A new basement door was installed and all entrances duly equipped with inside double bolts. No. 2 boiler was completely re-tubed.

FOR THE DEPARTMENT OF HEALTH

Ontario Hospital, Aurora

A small Machine Shop and Incinerator Building was erected on the West side of the Boiler Room, consisting of a single storey with half basement, reinforced concrete foundation walls, reinforced concrete floor, brick superstructure with tar and gravel roof supported on precast concrete slabs.

A Health Tub was installed and some repair work on heating, plastering and painting carried out. In addition to the aforementioned, minor repairs recommended by the Fire Marshal were completed.

Ontario Hospital, Brockville

As additions to the present cottages the construction of six new Patients' Wings were undertaken in May, 1951, in order to provide more bed space for the patients. Each new building will consist of basement, dining room, and two floors for patients' sleeping quarters. The electrical distribution of a major nature and other mechanical services are being completely changed in order to take care of the expanding requirements.

Six Patients' Wards were completely renovated and fire-proofed. The present Valve House has been remodelled into a new Pump Room. The existing roof was removed and replaced with a fifteen-year bonded tar and gravel roof. All heating and plumbing repairs were made as required throughout the year.

Ontario Hospital, Cobourg

In compliance with the Fire Marshal's recommendations considerable new fire equipment has been installed during this Fiscal Year, and two fire escapes were accordingly erected to the Ward 1 Dining Room, also minor repairs were made to all wooden Fire Escapes and wooden steps to the respective Wards. A new Mastic Tile Floor was laid in the Patients' Main Dining Room. The Laundry was renovated, and trenches were constructed between the main boiler plant and the Laundry Building. All necessary electrical wiring was installed. A new 4-inch cast iron Water Service was installed to the new Laundry Extension, also a new 6-inch vitrified clay tile Sewer was laid to carry the Laundry waste into the Institution trunk sewer, which discharges into the Town of Cobourg sewerage system.

Ontario Hospital, Concord

The Staff Residence was redecorated and a Hot Water Furnace installed. A new outside Electrical Distribution System has been installed to replace the old system and to provide additional facilities.

Ontario Hospital, Fort William

A four-room addition to the present Dormitory Building was erected for the accommodation of disturbed patients as well as renovations



Aerial view showing the General Works Programme being carried on,
including Six New Fireproof Wings being added
to the existing Patients' Cottages

ONTARIO HOSPITAL, BROCKVILLE

made to the present wards, to give more adequate space for building of storage shelving required for patients' clothing and supplies. A new Storehouse was also constructed on the foundation of a former residence which had been destroyed by fire. All storm sash on the hospital were replaced throughout this Fiscal Year. A domestic hot water storage heater was transferred from Monteith and installed in the laundry to replace the existing and defective tank. In accordance with the Fire Marshal's recommendations all buildings in connection with the Institution are in course of being fireproofed and furnished with fire-prevention equipment.

Ontario Hospital, Hamilton

Temporary repairs have been made to brick settings of boilers. General repairs have been made to roofing on Main Building including roofs of dormer windows. This work is now being extended to include repairs and replacements of all cornices. The works programme in the Main Building is now in the third stage of development and includes principally the laying of tile flooring in most of the small rooms and wards.



View showing Typical Fireproof Ward Additions to Patients' Cottages

ONTARIO HOSPITAL, BROCKVILLE

Due to the large number of patients in this hospital, the extensive programme planned for fire-proofing the floors in the larger wards and corridors had to be curtailed, so as not to unduly disturb the patients. To meet this condition the work could only be carried on by doing a small section at one time. In the Nurses' Residence brick firewalls have been carried up to the roofs to retard the possible spreading of fire. Preliminary preparations are well in hand for the replacement of two food elevators in the Main Building.

Ontario Hospital, Kingston

On the Main Building work is in progress pointing the stone work, repairing eavestroughs, etc., and painting the exterior. Eight Patients' Wards are in the process of being fireproofed and completely renovated. The Kitchen in the Farmer's Residence was remodelled and built-in cupboards installed to make this Residence more habitable; also the existing rear Verandah was completely rebuilt. The Farm Cottage was completely re-roofed with asphalt shingles, new metal valleys were installed and chimneys repaired; also the Piggery and Chicken House were re-roofed with asphalt shingles. Boilers No. 1 and No. 2 were dismantled, brick settings renewed, the boilers re-tubed and slung on steel harness.



Renovation of Main Corridor at Pavilion for Male Patients
(Ready for finished plastering)

ONTARIO HOSPITAL, KINGSTON

Ontario Hospital, Langstaff

The Engineer's Residence was redecorated throughout, also roof and chimney repairs were carried out at this Residence and at the Staff Residence. Repairs to the roofing of the following buildings were carried out: Cattle Barn, Horse Barn, Piggery, Implement Shed and Pump House. New and additional radiation was installed in several unheated rooms in the attic space, and piping installation was revised and improved in the Attendants' Residence. On the recommendation of the Fire Marshal additional Fire-Fighting Equipment was installed and small structural changes made.

A new Sewage Disposal Field was constructed, and 3000 lineal feet of 4-inch weeping tile was laid in the construction of this disposal bed. The sewer line from the tank to the disposal field was relocated owing to same being frequently washed away by the creek. A new domestic Well-Jet Pump was installed to replace the former obsolete unit, to pump the water from the well.

Ontario Hospital, London

The residences of the Superintendent, Engineer, and Farmer were repainted. The roofs, eavestroughing and flashing have been repaired



A view showing construction of a typical Pavilion Wing

ONTARIO HOSPITAL, PORT ARTHUR

where necessary. Considerable work has been carried out overhauling the Electric Wiring. No. 3 and No. 4 boilers were completely reset and repairs made to settings of No. 5 and No. 6 boilers. A complete new Hot Water Steam Heating System was installed in the Laundry Building. In accordance with the Fire Marshal's Report the stairs in the Examination Building have been enclosed, also the stairs in the Main Building, Rear Corridor, have been similarly treated. Fire-resisting accoustic tile has been installed in the ceilings of Wards 11 and 13, and in the corridors and dining rooms. The floors in these Wards have been covered with quarterboard and battleship linoleum. The tunnels under the Main Building have been divided by brick partitions under all ground floor walls, and Metalized Fire Doors installed in the partitions.

Repairs were carried out on the bottom plates on the 50,000 I.G. Elevated Steel Water Tank. This tank is quite old and would have been replaced had steel been in good supply. An additional 4-inch Water Supply Main was installed for the use of the Laundry. A new 750 I.G.P.M. gasoline engine driven Fire Service Pump was installed to replace an existing antiquated electric motor driven Pump.



Power House and part of Steam Trench

ONTARIO HOSPITAL, PORT ARTHUR

DEPARTMENT OF HEALTH

Ontario Hospital, New Toronto

The Assembly Hall and Stores Building have been completely renovated, which includes plastering, plumbing, heating and wiring, and made fire-resistant in a programme of work commenced October, 1950. This necessitated re-planning and rearrangement of the ground floor, installing a new Beauty Parlor and Occupational Therapy quarters with modern equipment, and improvements in storage and refrigeration space facilities. Four sets of original wooden stairs in the Fire-Stairs Tower were replaced with steel stairs leading to the Auditorium and Stage respectively. Both of these floors have been reconstructed in a fire-proof manner. The stage, as aforementioned, has been equipped to meet up-to-date requirements, involving a complete set of new curtains and modern lighting. In Cottage "B" the roof space has been divided by fire-retarding bulkheads in accordance with the Fire Marshal's recommendations.

Ontario Hospital, Orillia

The work of remodelling Cottage "L" in accordance with the programme of fire-proofing the Patients' Building included installing new Fire Tower Stairs at the end of this building and the work is nearing completion. Similar work was carried out on Cottage "B", two enclosed Fire Tower Stairs being installed at each end of the Cottage. Considerable repairs have been carried out to the roof and eavestroughing, when and where necessary. All standpipes and hydrants have been given one coat of paint. Extensive changes, alterations and additions to the Heating System in Cottages "B" and "L" to bring the Heating System up-to-date were made where necessary. A new water supply and plumbing system was installed in the Boys' Infirmary to serve the new plumbing fixtures being installed. Some electrical work has been carried out in the Kitchens and Dining Rooms.

Ontario Hospital, Penetanguishene

A new High Tension System has been installed to replace the old one and provide for additional street lighting. In accordance with the Fire Marshal's report the installation of a Fire Alarm System was begun and is nearing completion. All minor repairs were also made when and where necessary.

Ontario Hospital, Port Arthur

Work is continuing as mentioned in the previous years report, on the erection of male and female Pavilion Buildings, and a central Kitchen and Reception Building. During the year the structural frames of these three buildings were completed, and the roof was completed on the Female Pavilion and brickwork is in progress. A Power House with connecting passages, steam trench and sewer and drainage systems were partially completed. The Administration Building, which was erected in 1939, is still being used as a hospital unit. Electrical wiring work is progressing.

Ontario Hospital, St. Thomas

In accordance with recommendations made in the Fire Marshal's report of 1950, installation of Fire Extinguishers and Equipment has been fully completed. The landscaping of the hospital grounds including trees, shrub planting, seeding and sodding, is being proceeded with under the

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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direction of the Ontario Agricultural College. Additional furniture for the Nurses' Home has been purchased.

At the Farm an Open Feeding Barn, Chopped Hay Storage with Calf and Steer Pens, Baled Hay Storage including Feeding Room, Silos, Granaries, Corn Crib, Exercise Yard and Feeding Trough are under construction and nearing completion. Temporary work was carried out on the ground lighting to maintain service until a permanent re-wiring job was finished.

Ontario Hospital School, Smith's Falls

Work is progressing on the second 900 bed group of Pavilions and Dining Halls for male and female patients; also a vocational training building is being constructed. Work is continuing on the completion of the Power House, Laundry and Maintenance Work Shops. A garage building is being erected. It should be mentioned this project was described fully in the previous year's report.

Ontario Hospital, Toronto (999 Queen Street West)

Considerable work has been carried out in renovating Cottage "A" in this group of buildings, which included installation of a new Electrical Distribution System, and overhauling of electrical wiring to overcome low voltage conditions, also installing of a new Fire Alarm System, and constructing two Fire Stairs on the North side of the Cottage. Repairs were made to all top ventilating chimneys and general pointing work was carried out to the brickwork on the Main Building.

Following an extensive programme undertaken in former years to protect this building against the hazards of fire, and in accordance with the Fire Marshal's report and recommendations, the attics throughout the Main Building are now in the process of being fire-proofed. Considerable plumbing repairs and general maintenance have been undertaken during the fiscal year.

Psychiatric Hospital, Toronto

The ceilings of the two Lecture Rooms in the basement were covered with accoustic tile. A new Storage Room was erected and a new Fume Cupboard was built in the Laboratory. New fly screens were installed on the upper floors. A new Frequency Converter and wiring was installed. All necessary plumbing and heating repairs were completed during the Fiscal Year.

Ontario Hospital, Whitby

General routine repairs have been made throughout the buildings, including repairs to the Spanish Tile roofs, the tile entrance steps, together with the interior tile floors. Various repairs were also carried out through the year in connection with the Denyer-Pogue Residence and a new asphalt shingle roof was laid. All roofs on farm buildings were repaired. The Male and Female Dining Rooms have been re-roofed and insulated.

In the Stores Building a new stainless steel 300-gallon Milk Pasteurizer has been installed together with a stainless steel 100-pound Milk Dump Tank. In compliance with the recommendations of the Fire Marshal considerable new fire equipment has been installed throughout the

DEPARTMENT OF HEALTH

building. The existing electrical system which had deteriorated was replaced by the Tunnel Lighting System. Minor repairs to the roads leading to the Hospital were made during this Fiscal Year.

Ontario Hospital, Woodstock

Additional office space has been provided in the Admittance Building, Tuberculosis Section. Structural changes in the Beauty Parlor and Physiotherapy Centre were made. Additional space has been provided in the Laboratory. A new roof has been completed on the corridor leading from the Dining room to the Men's Wards, Epileptic Section. Mastic Tile has been laid in the following rooms; Laboratory, Physiotherapy, Beauty Parlor, Recreation Room, Occupational Therapy Works Room, Store Room and Office. Minor plumbing repairs and installations were made during the Fiscal Year.

New electrical wiring was completed in the Basement, and a new Walk-in Incubator installed. Work is progressing in blocking off the Stairways in the four Cottages to comply with the Fire Marshals' recommendations.

EXAMINATION OF PLANS FOR THE DEPARTMENT OF HEALTH

Co-operation was given to the Department of Health in their work with the Hospitals operating in the Province of Ontario. The following is a list of the Institutions concerned and the action taken in each case:

General Hospitals

Ajax

General Hospital

A meeting was held with three representatives of the Board and proposed alterations and additions for the use of the present Private Hospital were discussed.

Barrie

Royal Victoria Hospital

Revised plans for this Hospital were submitted and memorandum prepared, which subject to the conditions thereof, were recommended for approval.

Belleville

General Hospital

Inspection was made of this Hospital with two officials of the Department of Health.

Brampton

General Hospital

Further assistance was given in the planning of the proposed Nurses' Residence.

Brockville

General Hospital

As the plans for the Nurses' Residence submitted were lacking in information as to use and occupancy it was requested that revised plans be submitted, together with certain revisions, to comply with our recommendations.

Brockville

St. Vincent de Paul
Hospital

Conferred with the Architect re location of new Tubular Fire Escapes.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Carleton Place Proposed 30-Bed Hospital	Conference was held with the Architects and Officers of the Department of Health with respect to preliminary plans.
Chapleau Lady Minto Hospital	Conference was held with the Architects when preliminary drawings were discussed for proposed alterations and additions to this building.
Cobourg General Hospital	Department officials and Architects discussed plans for proposed additions and alterations.
Cochrane Lady Minto Hospital	Prepared memorandum after conference with officers of the Health Department re proposed additions and alterations to this Hospital. Later, members of the Board visited Toronto and were taken to Whitby to view the type of construction in the new Home for the Aged with its possible adoption in the construction of the proposed new additions at Cochrane.
Cornwall Hotel Dieu, Sisters of St. Joseph	A preliminary conference with the Architects and officers of the Health Department was held with regard to the planning of the new Institution. Plans were reviewed in detail and suggested changes recorded.
Cornwall Sisters of Sacred Heart Hospital	Conference with the Architect and Chief Medical Inspector was held regarding preliminary plans.
Windsor East Windsor Hospital	Revised sketch plans were examined and a memorandum prepared with suggested revisions, subject to which approval was recommended.
Exeter South Huron Memorial Hospital	A new site was secured and former plans adapted to incorporate into the plans an existing building for use as a Nurses' Residence on the second floor and the ground floor to be used for partial hospital purposes. Several conferences were held with the Architect and revisions of the plan made before these were finally recommended for approval.
Fergus Groves Memorial Hospital	A memorandum was prepared regarding the recommended changes in the plans, and revised drawings recommended incorporating these changes. Later a conference was held with officials of the Department of Health with respect to a new Nurses' Residence.

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Fort Frances
LaVerendrye Hospital

Revised plans were examined and memorandum prepared with regard thereto.

Fort William
McKellar General
Hospital

Conferences were held with the Architects and Officers of the Department of Health, at which the plans of the proposed new additions and alterations to the existing building were discussed. A memorandum was prepared recommending approval of the plans, subject to the conditions outlined being complied with.

Galt
New General Hospital

Further conferences were held with the Architects and Officers of the Department of Health with respect to the preliminary sketch plans, to discuss the revised plans, and finally approval was recommended.

Hamilton
General Hospital

An inspection was made in company with the Chief Medical Inspector of Hospitals, with particular reference to the latest construction.

Hamilton
St. Joseph's Hospital

Inspection was made in company with the Chief Medical Inspector of Hospitals, with particular reference to the latest construction. Prepared memorandum regarding proposed Nurses' Residence recommending revisions in the plans and our submission for final approval.

Hamilton
Salvation Army Infants
Home

Conference with officers of the Salvation Army was held re proposed Obstetrical Unit for the Hostel for Girls.

Hearst
St. Paul's Hospital

Recommendations were made with respect to reducing the fire hazards in the Boiler Room in this Hospital.

Kincardine
General Hospital

Further conference was held with members of the Board and their Architect regarding the proposed additions to the Hospital and provision of a new Nurses' Residence.

Kingston
General Hospital

A conference was held at Kingston with respect to a Master Plan Proposed Building Programme for this Hospital, with particular reference to increased teaching facilities.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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London

Victoria Hospital

Inspection was made with respect to the problem of accommodation of patients during construction of the new proposed addition. The revised plans were studied and further recommendations submitted in a memorandum, subject to the implementation of which approval was recommended for the proposed extension of this Hospital. Conference with the Deputy Minister of Health and other Health officers, His Worship the Mayor of London and Members of the Board, to consider the feasibility of providing a one-storey temporary building for sixty-five patients during the construction of the new wing

Matheson

Proposed New
Hospital

A member of the Hospital Board and its Architects visited the office and discussed the type of construction for a proposed new thirty-bed unit.

Midland

St. Andrew's Hospital

Conference with the Architect and officers of the Department of Health was held, at which the proposed Chronic Unit in the existing building and a new addition for acute cases were discussed. Later a further conference was held and revisions recommended.

New Liskeard

Lady Minto Hospital

Some re-planning of this hospital was undertaken, and after an examination of the revised plans, approval was recommended subject to certain conditions being fulfilled.

Newmarket

York County Hospital

Preliminary conference was held with the Architect with respect to a proposed addition.

Orillia

Soldiers' Memorial
Hospital

Plans of proposed addition to this Hospital were discussed with the Chairman of the Board and the Architect.

Oshawa

General Hospital

After several conferences with the Architect were held regarding the proposed new one-storey 28-bed Emergency Ward, memorandum was prepared and approval of the plans finally recommended.

Ottawa

Ottawa Civic Hospital
(Proposed)

Plans were examined and recommendations made with respect to a proposed new Isolation Hospital.

Ottawa

General Hospital

Further revised prints of the above Main Building were received and reviewed, following which a memorandum was prepared with recommendations for certain revisions.

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Ottawa
Grace Hospital
Salvation Army

After conferences with officers of the Salvation Army and Department of Health, plans were submitted and studied, and recommendations made for revisions of plans, subject to which approval was recommended.

Pembroke
General Hospital

Conference was held with the Sisters and Architect regarding plans of proposed new addition. Tentative approval was given for proposed addition after conference with the Architect, Contractor, and representatives of the Department of Health.

Port Arthur
St. Joseph's Hospital

Recommendations were made with respect to the plans of the proposed additional fourth floor to this Hospital.

Port Perry
Memorial Hospital

After a further conference with the Department of Health officials, further recommendations were made with respect to this Hospital in the form of a memorandum.

Renfrew
Victoria Hospital

Suggested revisions in the details of the Fire Escape were recommended.

St. Catharines
General Hospital

Revised plans of the extension to the general patient accommodation were submitted and further changes suggested, subject to which being incorporated into the plans, approval was recommended.

St. Thomas
Elgin General Hospital

Plans of the proposed new Hospital were studied and report made recommending approval, subject to the suggested revisions. After further revisions memorandum was prepared recommending approval, subject to certain further revisions.

Sarnia
General Hospital

Prepared memorandum regarding fire escape for Nurses' Residence. Meeting was held with officers of the Department and members of the Hospital Board, Staff, and Architects, at which meeting the proposed plans were discussed and recommended changes offered.

Sault Ste. Marie
Plummer Memorial
Hospital

Several conferences were held by the officials of the Department of Health with the Vice-President of the Hospital Board and the Superintendent. Plans were revised, and after all revisions had been made, approval was recommended.

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Simcoe Norfolk General Hospital	A meeting was held with the Architects and officers of the Department of Health with respect to plans of the proposed addition to this Hospital, and certain revisions were suggested.
Smith's Falls Public Hospital	A conference was held with the Architects and officials of the Department in respect to a proposed addition.
Sudbury Memorial Hospital	Conference was held with the Officers of the Department of Health and the Architect with regard to final plans of this Hospital.
Tillsonburg Soldiers' Memorial Hospital	An inspection was made of this Hospital with the Director of Public and Private Hospitals.
Toronto East General Hospital	A joint Report was prepared with the Chief Medical Inspector on the proposed addition to the Nurses' Residence. On a visit to the Hospital with Officers of the Department of Health the proposed new addition was discussed with the Superintendent.
Toronto General Hospital (Wellesley Branch)	Plans for the new Nurses' Residence were discussed with the Architects, and final approval recommended.
Toronto Mount Sinai Hospital	The latest revised plans were discussed with the Architects and, subject to certain revisions were recommended for approval. Report was prepared for the Department of Health with respect to the floor areas of out-patients' Departments for Grant purposes.
Toronto North West Hospital (Proposed)	Conferences were held with the represented members of the Hospital Board and their Architect, and officers of the Department of Health with regard to the proposed new Hospital.
Toronto St. Joseph's Hospital	Conference was held with the Sisters, the Architects, and Officials of the Health Department to discuss the plans of the proposed addition to the Nurses' Residence, following which notes were recorded and recommendations made for suggested revisions.
Toronto St. Michael's Hospital	Tentative approval was given for proposed addition after conference with the Architect, Contractor and representatives of the Department of Health.

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Trenton

Trenton Memorial
Hospital

A conference was held with some members of the Hospital Board, the Local Fire Chief, a member of the Fire Marshal's Office, and the Health Department, and recommendations were made for the corrections of certain fire hazards.

Walkerton

County of Bruce
General Hospital

Conferences with the Officials of the Department of Health, members of the Board and their Architects were held with respect to proposed additions and alterations to this Hospital, and certain recommendations were made to the Board.

Windsor

Salvation Army Grace
Hospital

Conference with the officers of the Salvation Army was held regarding proposed new Boiler House and Heating Plant.

Wingham

General Hospital

Conference was held with the Architect and officials of the Department of Health for a proposed addition of fifty chronic beds to this Hospital.

Hospitals for Incurables

London

Parkwood Hospital

A memorandum was prepared with respect to the proposed additions to the Nurses' Residence. The plans were again reviewed and a further memorandum prepared.

Ottawa

St. Vincent Hospital

Plans for alterations and a large addition to this Hospital were studied and memorandum prepared with recommendations for revisions of the plans, subject to which being incorporated into the plans, approval was recommended.

Toronto

Runnymede Hospital

Reviewed the proposed additions to this Hospital with the Chief Medical Inspector and prepared a report.

Windsor

East Windsor Hospital

Revised sketch plans were examined and a memorandum prepared with suggested revisions, subject to which approval was recommended.

Convalescent Hospitals

London

Parkwood Home

Revised plans for the proposed addition and the Nurses' Residence were reviewed.

Newtonbrook

St. John's Convalescent
Hospital

After certain revisions to the preliminary sketches of the Nurses' Residence had been made and plans re-submitted, these were recommended for approval.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Private Hospitals

Armstrong Proposed Private Hospital	Prepared memorandum with recommendations with respect to the planning of this Hospital.
Brantford Anderson-Stover Rest Home	A memorandum was prepared concerning the plans with respect to this Institution and Recommendations submitted. A Patient Accommodation Schedule was also prepared.
Brockville Proposed Private Hospital Mrs. Elson	Plans of this building were submitted and memorandum prepared for the Department of Health.
Clarkson Proposed Private Hospital Miss Cain	Recommendations were made for alterations and additions to this building, and the services of an Architect were secured to carry out these changes, subject to which being satisfactorily executed approval was recommended.
Coldwater Proposed Private Hospital Emqua Lodge	Inspection was made with the Chief Medical Inspector of Hospitals and a memorandum prepared with a list of recommended alterations and additions to the building to make it more suitable for use as a Private Hospital.
Hamilton Proposed Rest Home Mrs. F. MacKenzie	A further inspection of this building was made and approval recommended subject to proposed additions and alterations being carried out. A Patient Accommodation Schedule for this building was also prepared.
Hamilton 68 Charlton Ave. W., Mrs. M. Schenkel	An inspection of this building was made and prepared memorandum recommending certain changes. Subject to conditions being complied with it was recommended that this building might be used as a private hospital.
Hamilton Proposed Private Hospital Mrs. Townsend	Inspection was made of this building and report prepared with recommendations for revisions of the plans to provide proper existing facilities and remove fire hazards before approval can be recommended for a Private Hospital License.
Kemptville Coleman Nursing Home	Inspection was made of this building in company with two officers of the Department of Health, and report submitted. Later two further memoranda were prepared in respect to this building.

DEPARTMENT OF HEALTH

Ottawa

LeFebvre's Nursing
Home

A memorandum was prepared with comments on the plans submitted recommending that the plans be revised accordingly and re-submitted for final approval.

Painiswick

Inniswood Convalescent
Lodge

Revised memorandum was prepared with respect to this Institution.

Penetanguishene

Beechwood Nursing
Home

Plans were examined and comments offered with recommendations that the plans be revised accordingly and re-submitted for final approval. Patient Accommodation Schedule was also prepared. The Fire Marshal's Department also prepared a memorandum regarding this Nursing Home, with recommendations, and conference was held with the representative of the Fire Marshal's Office and the Department of Health, after which final recommendations were submitted.

Perth

Yore Home House

Memoranda were prepared containing recommendations for alterations so that the building would be more suitable for patient accommodation and comply with the requirements of the Department with respect to the removal of fire hazards. Subject to these recommendations being fulfilled, approval was recommended.

Toronto

Jennie McPhail
Private Hospital

Prepared memorandum with recommendation for alterations to the building.

Whitby

Proposed Private
Hospital of the Order
of the Sisters of St.
Joseph.

The Sisters of St. Joseph proposed to use the former Home for the Aged as a Private Hospital, and a conference was held at Whitby. After inspecting the building with the Sisters a report was prepared and submitted to the Department of Health.

Willowdale

Dr. Bell's Private
Hospital for
Female Alcoholics

Inspection was made of this building and memorandum prepared with recommendations for alterations in order to make it most suitable for private hospital use, and for the removal of existing fire hazards, and approval recommended subject to these recommendations being implemented.

Sanatoria

Kingston

Ongawanada Sanitorium

After a review of the plans of the proposed Nurses' Residence, approval was recommended, subject to a few minor changes being made.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Sudbury Sudbury and Algoma Sanitorium

A preliminary conference regarding this proposed new Sanitorium at Sudbury was held. Final plans were examined and recommendations made for their approval. Later a conference was held to discuss the plans for the Nurses' Residence. Conference was held with the Sanitary Division with respect to securing a satisfactory water supply.

Toronto I.O.D.E. Preventorium

Conferences were held with the Architect regarding the proposed Nurses' Residence, and finally revised plans were recommended for approval.

Weston Toronto Hospital for Tuberculosis

Prepared memorandum re plans submitted for proposed new Kitchen and Dining Room Extension.

Windsor Essex County Sanitorium

After conference with the Architect and Doctors concerned, and the submission of the preliminary and revised plans of the proposed Nurses' Residence, a final memorandum with recommendation for approval was submitted.

INTERDEPARTMENTAL COMMITTEE MEETINGS

Meetings of the Interdepartmental Committee on Hospitals were attended by the representative of this Department, at which capital grant applications from the following Hospitals were considered and reports submitted to the Deputy Minister of Health:

Ajax	Ajax General Hospital
Barrie	Royal Victoria Hospital
Brampton	Peel Memorial Hospital
Brantford	Brantford General Hospital
Brockville	Brockville General Hospital
Brockville	St. Vincent Hospital
Collingwood	General and Marine Hospital
Cornwall	Sacred Heart Hospital
Espanola	Espanola General Hospital
Exeter	South Huron District Hospital
Guelph	St. Josephs General Hospital
Haileybury	Misericordia General Hospital
Hamilton	St. Josephs General Hospital
Hamilton	Mountain Sanatorium
Hawkesbury	Notre Dame Hospital
Kincardine	Kincardine General Hospital
Kingston	St. Marys on the Lake Hospital
Kitchener	Kitchener-Waterloo General Hospital
London	Victoria Hospital
London	St. Mary's Hospital
London	Parkwood Hospital

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London	Woodeden Hospital
Midland	St. Andrew's Hospital
New Liskeard	Lady Minto Hospital
Newtonbrook	St. John's Convalescent Hospital
Niagara Falls	Greater Niagara General Hospital
North Bay	North Bay Civic Hospital
Orangeville	Lord Dufferin Hospital
Orillia	Soldier's Memorial Hospital
Oshawa	Oshawa General Hospital
Ottawa	Ottawa Civic Hospital
Ottawa	St. Vincent Hospital for Incurables
Owen Sound	Marine General Hospital
Palmerston	Palmerston General Hospital
Paris	Willett General Hospital
Pembroke	Cottage Hospital
Pembroke	Pembroke General Hospital
Perth	Merrywood-on-the-Rideau
Port Arthur	St. Joseph's General Hospital
Port Colborne	Port Colborne General Hospital
Port Perry	Community Memorial Hospital
St. Catharines	Hotel Dieu Hospital
St. Catharines	St. Catharines General Hospital
St. Thomas	St Thomas Elgin Hospital
Sarnia	Sarnia General Hospital
Sault Ste. Marie	General Hospital
Smith's Falls	St. Francis General Hospital
Southampton	Saugeen Memorial Hospital
Sudbury	St. Joseph's Hospital
Sudbury	Sudbury Memorial Hospital
Tillsonburg	Soldier's Memorial Hospital
Toronto	I.O.D.E. Hospital
Toronto	East General Hospital
Toronto	Hospital for Sick Children
Toronto	Northwestern General Hospital
Toronto	Toronto General Hospital
Toronto	Toronto St. Marys Hospital
Weston	Toronto Hospital for Consumptives
Windsor	Essex County Hospital
Windsor	Hotel Dieu Hospital

V. L. GLADMAN, B. Sc.,
Architect.

FOR THE DEPARTMENT OF HIGHWAYS

Co-operation was given to the Department of Highways in the matter of preparing working drawings, specifications and sketches for new or alteration work, and in the preparation of studies for development of future projects as required.

Work carried out this Fiscal Year was as follows:

New Liskeard - Department of Highways Building

In this Building a new Boiler was installed, and all general plumbing repairs made.

Kingston - Department of Highways Office

The new Department of Highways Office was completely re-decorated and new Fluorescent lighting installed.

Sudbury - Department of Highways Garage and Workshop

A new No. S-40-14 Gurney C.I. Boiler was installed.

696 Spadina Avenue, Toronto (Motor Vehicles Branch)

Stairs, windows, etc., were repaired and new doors installed on the landings at the second floor, while all necessary plumbing and maintenance repairs were maintained.

Standard Office Building

Plans, elevations and details were completed for a Standard Office Building to be built in the various Divisions of the Department of Highways.

The building as proposed will have a Main Office for Staff, with Entrance Lobby, a large Drafting Room, and also several Private Offices for the various Engineers of the Division. Also included are Ladies' and Men's Lavatories. In the basement are two large Store Rooms and a Boiler Room. The basement is under one-half of the building, the remainder being left unexcavated. The building is designed of concrete block with brick facing and trim, steel beams and metal sash.

Standard Paint Shop

Plans for a Standard Paint Shop drawn last year have been altered to provide increased space including other required improvements.

FOR THE DEPARTMENT OF LANDS AND FORESTS

Algonquin Park

The project of the construction of the Algonquin Park West Gate, started in the Fall of 1950, is now almost completed.

The Road Lights and Landscaping will be completed on this project as soon as the weather permits. A Power House has been provided and wiring installed at the West Gate and at the new Museum. This Power House was built in order to develop the electrical supply, as Hydro power is not available here as yet.

Complete Hot Water Heating Systems were installed in the West Gate House and the Gate Keeper's Residence, also in the Nature Museum Building.

Aylmer

The new District Office was completely re-wired.

Dorset - Forest Ranger's School

A Snack-bar with Refrigerator, Griddle, Pop Cooler and Silex Coffee Maker has been installed in the main School Building and fully completed. A 24' x 40' Boathouse of frame construction with asbestos shingle roof has been fully completed. The Boathouse is placed on concrete piers and foundation with a 12' x 20' floating dock, and connected to the Boathouse proper by a 6' x 24' hinged ramp. Drapes and blinds have been installed in the Auditorium and all classrooms.

Maple - Southern Research Station

During the Fiscal Year the completion of the Biological Research Station at Maple was proceeded with. The work included the hanging of doors, installing hardware and new furniture. Railings around the areaways were erected on the outside of the building. Laying of sidewalks, building a ramp to the Carpenter's Shop, grading and levelling of the grounds was carried out. Painting of the interior and exterior of this building has been fully completed. A Map Storage cabinet 35" wide x 24" deep x 50" high was constructed for the Biology Building. Standby Power has been provided for the Radio Transmitting Station which is automatic in action. A complete Control System has been installed at the Fish Laboratory for temperature pressure and air supply to the Experimental Tank.

Port Arthur - Chief Ranger's Headquarters

This Project comprises extensive renovations and repairs to the present Headquarters Building. This building, of three storeys and basement, was originally erected for use as a Y. M. C. A. building and was purchased by the Department some years ago for its present use. The



A view of the westerly approach to the Entrance

ALGONQUIN PARK

rear half of the building contained the original Swimming Pool and Gymnasium with Running Track. The Swimming Pool has been filled in to create a Storage Room for canoes and equipment. The old Gymnasium floor which lacked sufficient strength for storage purposes has been entirely removed and replaced with new steel beams and wooden forms in readiness to receive a new concrete floor. The old Running Track has been removed and will be replaced by a new floor connecting with the front section of the building to provide additional Office Space.

Sault Ste. Marie - Hangar and Stores Building

A Site was purchased and plans started for the erection of buildings for the Chief Ranger's Headquarters.

South Bay Mouth - Fish Packing Plant

The construction of a new Fish Packing Plant, along with a Dormitory to accommodate twenty-two students was carried on to near completion.

White River - Staff Residence

Six houses were built for the use of Department of Lands and Forests personnel, and a new 6" Watermain was connected up to the C.P.R. water supply to service these houses. Arrangements have been made to build a complete Power Plant here.



Automobile Checking Station, Lounge and Public Comfort Station

ALGONQUIN PARK

Carey Lake - Air Services Division

The work of the erection of two houses for the use of the Department of Lands and Forests personnel was completed during the year.

A Laundry and Shower Building was built, and the new Roadways were partially completed before the winter.

Kenogami - Air Services Division

During this Fiscal Year a Laundry and Shower Building was built and a Pressure Pump and Tank were installed for the Water System, and the Roadway from the Highway to the Warf was graded.

Kenora - Air Services Division

Two new residences were constructed in the Town of Kenora during the Fiscal Year, for the use of the Air Division personnel.

Lauzon Lake - Air Services Division.

Land was secured and two Type "C" Cottages and one Work Shop were erected for the use of the Air Division Personnel.

Parry Sound - Air Services Division

The Septic Tank System was completely overhauled.



Animal Sculpture carved from Red Pine at the Entrance Lift Gates

ALGONQUIN PARK

Port Arthur - Air Services Division

A new timber Aircraft Wharf was constructed during this fiscal year at this base.

Remi Lake - Air Services Division

A new Drainage and Cesspool System was installed at this centre.

Swastika - Air Services Division

The Boiler Blow-off was changed to the outside of this building.

Tukane Lake - Air Services Division

Material was purchased for the erection of two houses for the use of the Air Services Division. However, construction was delayed while a site on Crown Lands was being selected.

Codrington Fish Hatchery

The entire former Hatchery buildings and outside rearing tanks, which were of wood construction and rotted beyond repair, were removed and the site prepared for reconstruction.

A temporary storage shed and small construction office was erected, using such lumber as could be salvaged from the old hatchery building.

DEPARTMENT OF LANDS AND FORESTS

An important part of the reconstruction of this hatchery involves the prevention of pollution of the spring water supply. To achieve this, a new earth dam was commenced in the headwaters area by means of which surface water from adjoining farm lands will be held and drained to by-pass the Hatchery.

A certain amount of reinforcing steel and culvert pipe was purchased and delivered to the site.

The job was closed down on December 31st, 1951, on account of difficulties of carrying on the work during the winter season.

Fort Frances Fish Hatchery

A blockage in the sewer pipe extending 250' from the hatchery along the town streets to the river was removed and the sewer reset with tile. A new filter crib of timber and gravel was built for the water system which supplies the fish hatchery. A new dock was built during the fiscal year.

Hill's Lake Fish Hatchery

The reconstruction of the above hatchery was continued during the fiscal year and consisted of the following works:

(a) The excavation for and construction of two new Ponds, Nos. 5 and 6, entirely of reinforced concrete. These two Ponds are each approximately 31' wide by 100' long and 4' deep, with a dividing wall in the centre of each pond, thus providing four Ponds.

In connection with these Ponds, excavation had to be made and connections put in for the water supply from the main Supply Flume as well as excavation for drains and their installation from the overflows to the river, together with the necessary back fill and grading which, due to the original topography of the ground, involved a considerable yardage.

(b) New reinforced concrete spillovers were completed, with drains to the river for Ponds Nos. 1, 2, 3, 4, and 8, and in addition the earth work and grading of the above Ponds and back fill. The above Ponds were also re-lined with gravel and sand.

(c) At the rear of the Hatchery Building, at a distance of approximately 40', a new one-storey Fish Food Storage and Fuel Shed, 18' x 24', was constructed, with concrete foundation walls, footings and floor slab and outside walls of concrete 3' high, and the balance in frame construction, and insulated.

In the Food Storage Room, an electrical refrigerated walk-in box, a sink with hot and cold water, and a stove were installed, together with all necessary piping and drainage. Supply and erection of the Walk-in Box Refrigerator was let by contract.

(d) The construction of a new 3-bedroom Bungalow for the Assistant Manager was well advanced when the job was closed down in February, 1952. In addition to the heating and plumbing, for which tenders are to be called, there remains only a small amount of work to complete this residence.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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(e) The 2-car Garage was moved farther away from the ice house, in order to remove the fire hazard of having these two buildings so closely situated to each other, and a new concrete floor was poured in the Garage, new doors were hung with overhead hardware, and a new red asphalt shingle roof was put on.

(f) A portion of the floor and outside foundation walls were repaired in the ice house.

(g) On account of the ground being of heavy gumbo clay, a considerable amount of sand and gravel was brought in for fill for the roads to and around all Ponds and Hatchery Buildings, and graded.

Some fill and grading work will require to be done after the temporary buildings are removed and the Residence completed.

(h) A small battery of jars and troughs for the hatching of pickerel was installed in one end of the Hatchery Building.

North Bay Fish Hatchery (15 miles North-east of North Bay)

The electric wiring in this building has been completely renewed.

FOR THE DEPARTMENT OF MINES

Cobalt - Temiskaming Testing Laboratory

Alterations were made in this building to prepare the way for the installation of new equipment required for the testing of silver. This work is fully completed.

Haileybury - Provincial Institute of Mining

In this building a new Ash Hoist was installed and all necessary repairs made, and the grounds of the Playing Field were partially levelled.

**FOR THE
DEPARTMENT OF PLANNING AND DEVELOPMENT**

Transportation and Commerce Building

159 Bay Street, Toronto

The work carried out here consisted of the erection of Office Partitions, Counters, Gates, Shelving and Electrical Work as required, to provide accommodation for the Trade and Industry Branch of this Department.

FOR THE DEPARTMENT OF PUBLIC WELFARE

Co-operation was given to the Department of Public Welfare in their consideration of the planning or remodelling of buildings receiving grants under The Charitable Institutions Act, or The Homes for the Aged Act.

The following is a list of the Institutions concerned and the assistance rendered in each case:

CHILD WELFARE DIVISION

Newmarket

St. Faith's Lodge
for Girls

At the request of the Director of Child Welfare, a house at 224 St. George Street, Toronto, was inspected, having in mind its purchase by St. Faith's Lodge for use as a Home. This property was sold before the St. Faith's offer was submitted.

Inspection was made of the Aubrey Davis Residence at Newmarket by the Director of Child Welfare and his Assistant, and the Director and Superintendent for St. Faith's Home for Girls with a view to the purchase of this building for use as a Home. A memorandum was prepared with recommended alterations and additions to this building subject to which approval for its use as a Home for Girls was recommended.

St. Agatha

Orphanage

A conference was held with the Director of Child Welfare and a memorandum with recommendations to be carried out with this building before being used as an Orphanage was submitted.

Toronto

Ingles House,
344 Dundas St. West

Approval of plans with regard to a new Fire Escape was recommended.

Toronto

Sacred Heart
Children's
Village

A memorandum was prepared with recommendations regarding plans for this proposed institution.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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HOMES FOR THE AGED

Beeton

Simcoe County Home
for the Aged

A conference was held at the Office of the Deputy Minister of Welfare with the Committee of the Home for the Aged of Simcoe County regarding the proposed additions and alterations. The normal bed capacity of this building is seventy-two and at present there are ninety-eight inmates. A two and one-half storey addition, including basement, is planned.

Brantford

Widows' Home

Approval of plans was recommended regarding the proposed extensions and alterations to the present building.

Leamington

Essex County Home

Approval of plans with regard to a new Laundry and Boiler Room was recommended.

L'Original

Prescott and Russell
Home for the Aged
(Proposed)

A conference was held with a Representative of the Department of Public Welfare regarding plans of this proposed new Home.

Toronto

Jewish Home
for the Aged

Conferences were held with the Architect and Officer of the Department of Welfare looking to the final recommendation for approval of the plans.

FOR THE DEPARTMENT OF REFORM INSTITUTIONS

Bowmanville Training School for Boys

A new Bridge was erected across the creek adjoining the Darch farm to the School proper. Considerable work was carried out in filling and grading the road on either side of the bridge. Numerous repairs were made to the Darch Barn, replacing sills and siding on the Northerly and Easterly sides. A lengthy project was undertaken in diverting the creek and cribbing same, for the new Sewage Disposal Bed. A great deal of fill, gravel, etc., was required on this particular job. The drain at the Laundry was converted from a storm to a domestic sewer. A new Condensate Return Pump was installed in the Triple Dormitory Building to handle Condensate Returns from the new Stores Building. New Temperature Water Control Equipment was provided and installed at the Swimming Pool. Plumbing and Heating repairs were made as required by the School authorities, to maintain the systems in good order. Various buildings on the grounds, including the Superintendent's Residence, required numerous repairs, and throughout the winter a painting programme was carried out in all Houses. Prior to the erection of a new roof on the Pump House it was necessary that considerable woodworking repairs be made to the Water Tower. The roof of the Auto Mechanics Building was covered with asphalt shingles. In the Gymnasium Building a new felt and gravel roof was completed, and the floors sanded. Alterations were made to the stage, including the installation of footlights. The erection of a building to be used for central storage purposes, has been completed. A change-over to an Underground Electrical and Heating Distribution System was necessary owing to the additional load required to service the new stores and other buildings erected here.

Ontario Reformatory, Brampton

During this Fiscal Year a renovation programme was carried out affecting several of the Reformatory Buildings, as follows:

A new brick smoke stack was erected for the Drill Hall boiler; the height of the brick chimney on the Administration Building was raised, involving the reinforcing of its concrete base. Concrete block foundations are being constructed under Buildings No. 24, 28 and 30 and rotted floor joists and beams replaced where necessary. Asbestos cedar grain shingles were supplied for Buildings No. 17, 28 and 30. A new concrete floor in the West Wing of Building No. 26 was laid. Work on the revision of the heating in Buildings No. 17, 20, 22, 24, 26, 28, 29, 30 and 31 is near completion. Electrical services were supplied to the Motor Mechanics' Shop which included the erection of a new pole line. In the Kitchen two new heavy duty electric ranges and one three-deck baking oven were installed, and new electrical service supplied for the dish washer.

Rideau Industrial Farm, Burritt's Rapids

During the summer of 1951 the Sewage Disposal Bed became waterlogged and when the weeping tiles were found to be blocked the upper layer of the tile bed was lifted, cleaned and re-laid. To prevent a further

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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occurrence a new grease-trap was built of concrete between the kitchen and the sewer line leading to the Septic Tank. Also a new sludge bed was built of concrete, into which the Septic Tank may be emptied, whenever it is found necessary. The underflow areas of the six temporary buildings were drained by installing 4" x 6" weeping tile and 6" vitrified trunk drains beneath the building which in turn empty into the storm sewer. This work was completed in November 1951 and was carried out by inmate labour. A Water Softener Unit was installed in the Boiler Room, Hut "B", to provide soft hot and cold water for the laundry and staff quarters. All necessary repairs were made to the plumbing and heating systems as required and requested by the Reformatory authorities to maintain the systems in good order.

Industrial Farm, Burtch

The greater portion of the Lean-to at the rear of the existing Hangar was renovated and re-modelled to provide a Laundry. This entailed building a small Office at the North West end of the Laundry and a large Drying Room at the South East end. A new Water Softening Unit of 10,000 Imperial gallon capacity and a 450 Imperial gallon Tank and Pressure Pump were installed. Suitable new and required Laundry equipment was also installed. To take care of this equipment drainage, plumbing, and electric wiring was installed. Sewing Room Equipment with two electric sewing machines and benches, and Shoe Repair Shop equipped with modern machinery was provided at the South East end of the Laundry. The old furnace in the Furnace Room was dismantled and removed to provide a suitable Boiler Room, in which was installed a new high pressure stoker-fed boiler with hot water supply tank, pumps and new steam pipe line to provide the necessary heating. Walls and ceilings were repaired where necessary and the furnace pit was filled in and cemented. A new 60' high steel Smoke Stack was erected on a substantial base and connected to the boiler by suitable breeching. Some minor work was completed on the various buildings, including exterior painting and re-roofing. Some incomplete work at the temporary Main Prison Block was carried out, namely, new battleship linoleum was applied to the floors, corridor grilles installed, special door hardware completed and several unit heaters relocated. In accordance with the Fire Marshal's recommendations fire barriers were built in the attic of each section, including protective covers supplied for fire ladders on the outside of the building.

An Intercommunicating Telephone System was installed to connect the different offices. Removal of half of the Land Plane Hangar was carried out mainly by inmate labour. Miscellaneous minor repairs were completed to various existing buildings, chiefly in Buildings No. 2 and 3. A Root House and Implement Shed were built. Eavestroughing was installed on the eaves of the Kitchen section and on the Loading Platform at the temporary main Prison Block. A new roadway to provide suitable access in and around the temporary Prison Block was completed. A Visitors' Parking Lot, enclosed by a guard railing, was provided in easy view from the Sergeants' Office. A concrete Slab was laid across the end of the Kitchen and Loading Platform, and concrete sidewalks were laid at the Main Entrances. Also a drainage Trench was excavated commencing at the line fence of the Biggers and Eadie property and ending at a ditch on Government property 800 feet distant. A 12" concrete tile duct was constructed to enclose steam pipe lines from the laundry boiler in the Laundry Lean-to to the Administration Building.

DEPARTMENT OF REFORM INSTITUTIONS

Piping was installed and pipe covering applied from the Laundry Building to supply heat in the Lavatory and store rooms in Leantos on the North West End of the Hanger to replace the previous mode of heating by means of stoves. Electric wiring was installed for the operation of unit heater and thermostats. This work is nearly completed.

Industrial Farm, Burwash.

The construction of the Drill Hall was continued to near completion, including the installation of two new boilers and stokers.

The work of converting two Army huts into six apartments was completed. These huts were transported from Monteith and are now located in Camp 5. Nine hundred feet of new sidewalk was installed leading to the married quarters.

A new S-422 Pendell boiler was installed in the Heating Plant of Camp 5 to replace the old boiler.

The Potato Storage Building was remodelled, re-wired and turned over to Department of Reform Institutions for their use.

The construction of the Saw Mill was carried to near completion, including the installation of new equipment with electric motor drives.

A new concrete Magazine was erected in an isolated location for the storage of explosives to be used for blasting purposes.

A new Horse Barn to replace one destroyed by fire was started and is about 60% completed.

A new boiler room and brick smoke stack was erected for the new pasteurizing unit, installed by the Institution. An 8' 0" x 36" upright boiler, received from the Ontario Hospital, Orillia, was installed.

New chlorination equipment of three units was received for installation at Camps No. 1, 2 and 5 pump houses. A unit has been set up at all three pump houses, a SASVCM, #25 capacity, Semi-Automatic Vacuum Chlorinator at Camp No. 2, and a Treet-O-Units, Automatic and Proportional High Pressure Chemo-Feeders at Camps No. 1 and 5. Installation of these units will be completed on receipt of the material now on order.

A fire-proof storage building was 80% completed for the storage of oil.

Boys' Training School, Cobourg

As the Rowe House was originally intended to be used as an Ontario Hospital in conjunction with the main Hospital at Cobourg, but was subsequently taken over by the Department of Reforms as a Boys' Training School, it was found necessary that considerable work be done to the bathrooms, namely: complete Shower Bath accommodation for eighty boys, and with Sewers connected. The Town drains were hooked up and piped to an adjacent creek to take water off the Town Line. The Dining Room and Main Hall floors were completely covered with linoleum.

During this Fiscal Year a pre-fabricated six-room School Building was erected to accommodate one hundred and fifty boys. This building was completed with the exception of the exterior decorating, and occupation

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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took place in November 1951. Shower area was completed to provide facilities for forty to forty-five boys at the Strathmore Residence. A complete renovation of the Coach House in the rear of the Rowe property is now in process of completion. This involved a Manual Training Room, Storage Area and Office being built on the ground floor. On the second floor of the building a five-room Apartment and storage Area is being constructed. When completed this Unit will serve a useful part in several of the School's programmes. A Fire Alarm System is well on the way to completion.

Girls' Training School, Galt

Since this Institution was recently restored from use as a Boys' Training School to its original purpose as a Training School for Girls, some restoration work was required which involved alterations in the plumbing and affiliated work, and this aforesaid work is now nearing completion. Considerable restoration and repair work has been completed, which includes re-setting the boilers, replacing boiler parts, re-tubing and installing a new stoker to No. 1 boiler located in the boiler room. Faulty wiring was replaced with new. Miscellaneous minor repairs have been carried out in the various buildings, including pointing up and repairing the brick and masonry work to the chimneys and the removal of two chimneys, one on the Beatty House and one on the Collingwood House, as these chimneys were considered unnecessary due to changes in operation of the aforesaid buildings.

Ontario Reformatory, Guelph Abattoir Disposal Plant

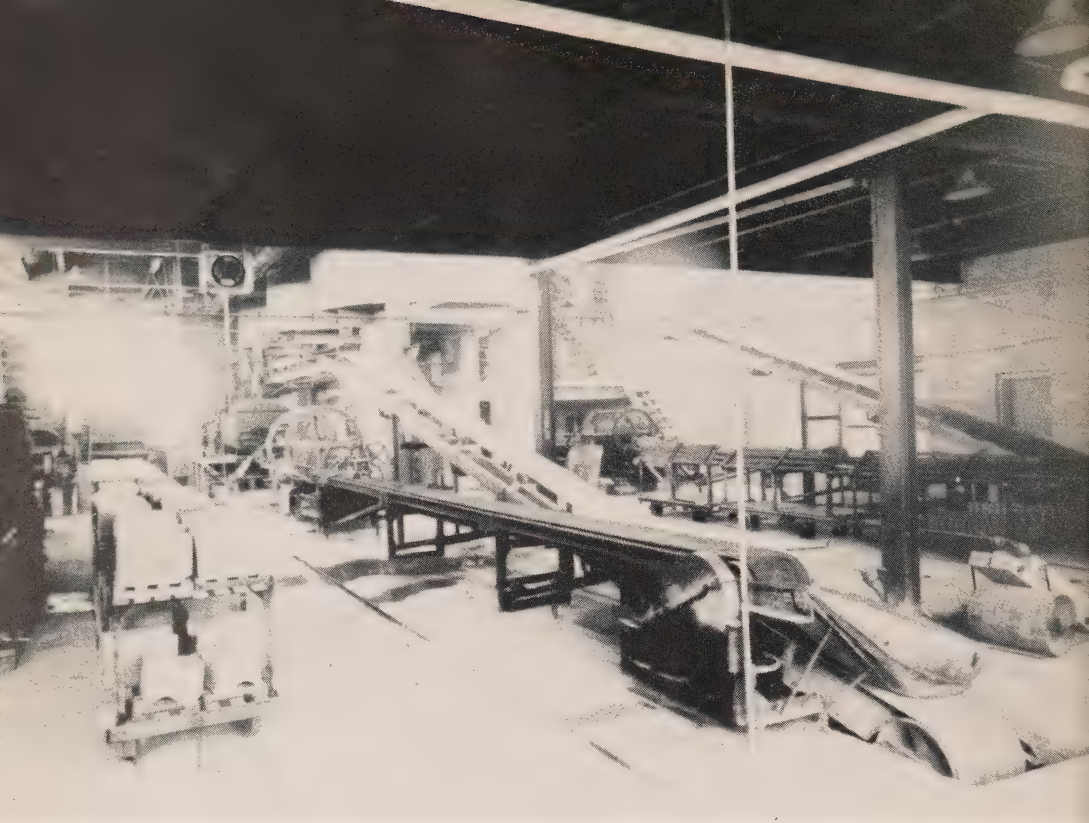
The building is of brick and concrete construction, approximately 50' x 40', with a connecting pipe tunnel to the Abattoir approximately 100' long, constructed of reinforced concrete 5' wide by 5' 6" high, running under two CPR siding tracks. The purpose of this building is to take care of paunch material from the butchered cattle and the domestic sewage from the Abattoir proper. New power service was installed in the Abattoir. Extensive repairs were made to the Refractory lining of No. 2 and No. 3 boilers. Also five boiler tubes were installed in the rear tube nest of No. 1 Water Tube Boiler.

Gymnasium

A building is being erected from the construction material of the Hangar removed from Burtch, Ontario, and is approximately 150' x 100' x 35' in size and will be used as a Gymnasium containing stage facilities, a Lavatory, etc. During the Fiscal Year the concrete footing and foundations were put in and trusses erected, labour being supplied by the Ontario Reformatory Staff. Work is now about 25% complete.

Hog Pen

A one-storey building with a pitch roof, approximately 100' x 32' in size was erected. It is intended to accommodate eight farrowing pens with twelve standard pig pens approximately 12' x 14', equipped with feed room and steam feed cookers. The metal partitions and gate were made by the Ontario Reformatory Staff and completed during this Fiscal Year.



Ontario Brick and Tile Plant, Mimico
INTERIOR VIEW OF PLANT SHOWING MACHINERY USED
FOR THE PRODUCTION OF BRICK AND TILE

Hospital

The structural part of this 2-storey building was completed last year, and is connected by a corridor to the main building. The building is of fireproof construction and built to accommodate sixty-four beds with Operating Room and X-Ray Rooms. It has four Sunrooms and two Balconies. The plastering and accoustic tile work has since been completed, and the building is to be outfitted with the most modern equipment and is now well on toward completion.

Root House

A two-storey Root House approximately 50' x 30', is insulated with 3" of cork and contains refrigeration units to control the temperature of the building, which is being wholly erected by the Ontario Reformatory Staff and is about 70% complete. The section below grade level is for the storage of roots, while the ground floor is to be used for the storage of implements.

Ontario Reformatory, Mimico

Clinic for Alcoholics

The building, which was formerly used by the Department of Health for a Laboratory, and as mentioned in the previous year's report, was fully remodelled to accommodate 30 patients and turned over to the Department of Reform Institutions.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Ontario Brick and Tile Plant

Plans were prepared and requisitions made for fans, heaters and control equipment to be ordered for the continuance of this work in order to speed up the drying time of the product and thereby greatly increase the tonnage of the output.

Industrial Farm, Monteith

A general rearrangement and reconstruction in Building No. 1 was continued to provide fourteen apartments for the married staff. Thirteen buildings were dismantled during the year and the following work was accordingly carried out: The Brickwork was re-set on No. 2 Boiler and a new Boiler Room to house a third Boiler for the Heating Plant has been started. The work of re-wiring the Administration Building and the Apartments as aforementioned has been duly completed. Also during this Fiscal Year a new flashing was put on ten buildings occupied by the Department of Reform Institutions. Approximately 247 square yards of linoleum, together with felt, was laid on the floors of the Hospital, Halls, Dispensary, Toilets, and the Visitors' Waiting Room. Approximately six hundred feet of 1¼" cold water line was installed from the water tank on the Industrial Farm to the Manse Building in the Town of Monteith presently occupied by the Department of Reform personnel.

Andrew Mercer Reformatory, Toronto

In this building new steel Fire Ladders were installed from the top floors to the attics of the main building and the Fire Walls and Doors completed throughout the attics, and a new asbestos cement board ceiling was installed in the boiler room for fire protection, this work was carried out in accordance with the Ontario Fire Marshal's report and recommendations.

The electrical wiring in the Gardener's Residence was completely renewed. No. 2 Boiler was completely re-tubed and a considerable number of the hot water mains were found to be corroded and scaled, which necessitated replacement. A large amount of pipe covering was carried out on new piping installed in the previous Fiscal Year, including installation of new steam heated domestic hot water Storage Tanks. Old and obsolete radiators were removed from the Superintendent's Office located in the Main Hall and new ones installed.

DISTRICT GAOLS

Fort Frances

New reinforced concrete floors were installed and brick partitions erected. New steel cells were installed. This gaol was completely painted throughout. All the old plaster was removed from the ceilings and walls of the gaoler's house and replaced with gyproc. Re-wiring was undertaken to accommodate renovations to the building. A new Condensate Pump was installed and connected to the Gaol Return Piping System.

DEPARTMENT OF REFORM INSTITUTIONS

Haileybury

General repair work to this building was carried out during this Fiscal Year. A steam heated domestic hot water Storage Heater was installed in the basement.

Kenora

Repairs were made to the Gaoler's Residence during this Fiscal Year. The Living Room, Dining Room, five Bedrooms and Den were repapered, and the two Hallways and one Stairway painted and woodwork reglained and varnished. A new electric stove was installed in the Kitchen. A Condensate Return Pump was also installed.

The original gravity sewage Treatment Plant was considered to be inadequate because of the necessary over-crowding of the Gaol by inmates. A new Gravity System was installed consisting of a double two-compartment underground concrete Septic Tank, complete with syphons, and approximately 3000 lineal feet of 4-inch weeping tile was laid in a made up gravel bed consisting of approximately 3000 cubic yards of gravel fill. This work was carried out by inmate labour under supervision of a hired foreman and Gaol staff.

North Bay

The No. 2 Boiler was re-tubed and necessary brickwork repairs made to the front and side entrances. All hallways were completely painted. A floodlight was installed in the exercise yard. A wash-basin, toilet and partition were installed in the Guards' rest room, and twelve lockers supplied.

Parry Sound

The Governor's Residence at this gaol was completely redecorated inside, new cupboards installed in the Kitchen and the building completely painted on the outside. Extensive revisions, and improvements to the heating and plumbing systems have been completed.

Port Arthur

All necessary minor and heating and plumbing repairs were made to this gaol during this Fiscal Year.

Sault Ste. Marie

The work of remodelling and extending this gaol was continued throughout the year. The cell work and fire doors are being constructed in the reformatory shops at Mimico by inmate labour.

Sudbury

A new steam heated domestic hot water Storage Heater was installed in the basement of this gaol and connected to the steam and return pipes from the Court House. A new combined Root House, Garage and Workshop was erected at the rear of the gaol.

FOR THE DEPARTMENT OF TRAVEL AND PUBLICITY

New buildings were completed and minor alterations, painting, landscaping, general maintenance and finishing work was carried out at the following Reception Centres:

Cornwall

Interior and exterior painting of this Building was completed, the interior given one coat and the exterior two coats of paint.

Fort Erie (Peace Bridge)

An Oval-shaped Lawn was made with a new circular Tarvia Roadway surrounding it and leading to and from the Bureau Entrance. This provides a good parking area. In order to divert the traffic from the Bridge, a low Highway Barrier Fence was installed around the Lawn. A large Geographic Map of the District was installed on the grounds adjacent to the Building.

Fort Frances

A new high Ornamental Lattice Fence was constructed along the full length of the property, thereby improving the background and setting for the Bureau Building.

Hawkesbury

Plans and specifications were completed for a new Travel Bureau. Tenders were called for and a contract let. Work on the new building is well advanced and it will be entirely completed before the opening of the 1952 Tourist Season.

Ivy Lea (at Thousand Islands Bridge)

The roof was stained and minor repairs made.

Kenora

The Bureau Building was moved back from the road to allow for off-the-road parking. A store-room at the rear and a canopy for the front entrance were new additions made to this building. A Flag Pole was also erected.

Niagara Falls (Bender Hill)

Minor repairs were made to the Neon Sign.

Pidgeon River

Plans were revised for a new Bureau. The new building is to be of substantial structure, with winter heating facilities, to accommodate the Provincial Police. This new building is to be erected at Middle Falls and when completed will replace the Bureau now located at Pidgeon River.

DEPARTMENT OF TRAVEL AND PUBLICITY

Point Edward (Blue Water Bridge, Sarnia)

A survey and Plans were made for repairing and increasing the capacity of the existing Septic Tank which has not been functioning properly owing to the low condition of the land surrounding the Site of the building. A new Flag Pole was erected here.

Prescott

New Eavestroughs and Downpipes were installed and minor repairs made.

St. Catharines (Homer)

The exterior of this building was painted.

Sault Ste. Marie

A building known as the Old Block House situated near the Ferry Landing was purchased by the Government. Plans were drawn and a contract let for alterations to be made. The work was completed for the 1951 Tourist Season. This log-siding and granite stone building has made a most attractive Reception Centre.

Windsor (at Bridge Exit)

The exterior of the building and the sign at the Bridge were painted. A Flag Pole was erected.

Windsor (at Tunnel Exit)

The exterior of the building was painted. A Flag Pole and a Neon Sign were erected. Minor repairs were carried out.

FOR THE PROVINCE OF ONTARIO SAVINGS OFFICES

This Department co-operated with the Head Office Management of the Ontario Savings Offices by preparing sketches, working drawings and specifications for proposed new or alteration work, and the arranging for or execution of this work as required at the existing Branch Offices.

Negotiations were carried out, the arranging and preparation of new Leases made, together with the renewal of expiring Leases, and agreements were prepared and executed as directed. The main items of work carried out in the above connections were as follows:

Brantford

A survey was made of this Branch, and plans and specifications were prepared for complete renovation to the Banking Room fixtures, in order to give better service to the public and provide improved working conditions for the Staff.

A complete new electric roughing-in system was installed to the Banking Room, together with new modern electric fixtures which were purchased and installed by this Department. Plans have also been prepared and prices obtained for a new Fire-proof Storage Vault with a new Combination Vault Door for the storing of Bank vouchers.

Hamilton East (Ottawa Street)

The cracked and broken glass vitrolite blocks in the front elevation of this Branch was replaced. A new Venetian blind was hung in the Manager's Office, and repairs made to the Heating System.

Hamilton (Pigott Building)

New Files Tables were supplied for the change-over from the ledger books to a card filing system, and the Signs at the main entrance to the Banking Room were altered in accordance with the new banking hours.

London (Ontario Government Office Building)

The London and Western Trust Building located at 353 Richmond Street, London, was purchased by the Government, and the Divisional Engineers for the Department of Highways have occupied this building in its present state for approximately two years. The Department of Public Works was instructed to proceed with the alterations to this Building with the chief purpose of accommodating the Province of Ontario Savings Office. The present Savings Office at King and Richmond Streets was vacated in June, 1951.

Under the supervision of this Department a new Bonded Roof was supplied and completed, together with new copper flashings to parapets and skylights. A new reinforced Concrete Vault was installed in the Banker's Room, with a new Banker's vault door and cabinets.



Sectional view of Savings Office, London

Repairs to the present ornamental plaster at columns and panelled ceiling were carried out, together with a complete decorating job to the whole of the Banking Room. A complete new set of Banking fixtures were installed and made up from details supplied by the Department including Bank counters, Manager's screen, Tellers' cages, Cheque desks, and Ledger desks complete. New rubber flooring was installed to the public space, and linoleum to the working space.

The present Wiring System in this building was dismantled and a roughing-in job complete with new panel boxes and new electric detailed fixtures were installed to the ceiling of the Banking Room and other offices in this building. The Cycle change was made at this time from twenty-five to sixty cycle.

The present Vaults in the basement beneath the Banking Room were renovated to provide storage for other branch Savings Offices in the area. A new accoustic ceiling was applied to the Banking Room.

The Departments of Labour, and Travel and Publicity occupy the offices on the second floor.

The vacant room to the rear of the Banking Room was renovated, a new slop sink installed, and the walls and ceilings were decorated. This room is occupied by the Banking Staff and used as a Locker and Lunch Room. A drinking fountain was also installed in the Banking Room. New office equipment was supplied for the Banking Room and the Manager's Office.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

This completed the work to this building, and the renovated Province of Ontario Savings Office was opened for business on July 2nd, 1951.

Ottawa

To complete the work to this Branch commenced in the previous year, new cabinets were installed in the basement for janitor supplies, also new hardwood coat and hat racks were set up for the Bank Staff, and changes were made to the office hour signs to coincide with the new ruling made to close the Banks on Saturdays. New office equipment was supplied to the Manager's Office, and new fixtures installed throughout.

Owen Sound

The renovations to this Branch, commenced in 1950, have now been brought to a conclusion with the completion of the renovation to the banking fixtures and the installation of a new birch and fluted screen in the Manager's Office. Files Tables were supplied to this Branch for a change-over from the ledger books to a card filing system.

St. Catharines

A new accoustic-celotex type ceiling was installed to the ceiling of the Banking Room, together with the complete decorating of the walls to the whole of the Banking Room, Vault, and Lavatories.

Toronto (Bay and Adelaide Branch)

The whole of the Banking Room, including vaults, lunch room and wash rooms, was completely decorated. A survey was made for the purpose of improving the lighting of the Banking Room. The Banking fixtures, including counters, front panelling, Manager's screen, etc., have been cleaned down and revarnished. The metal grille work to the Safety Deposit Vault was polished and relacquered, and the Venetian Blinds cleaned and reset into position, which gives this Branch a clean and modern appearance.

Toronto (Danforth and Fenwick)

New cash drawers were supplied and installed to the four Tellers' Cages, complete with locks, roller-bearings and tracks. The Signs to the windows and doors were touched up and refinished. Maintenance work was carried out to the plumbing system of the two washrooms in the basement, including the drains.

Toronto (University and Dundas)

The Safety Deposit and Bank Vaults of this Branch were repaired. Repairs to the plastered walls and ceilings were carried out and the walls and ceilings decorated. Signs to windows and doors were refinished, and the two main outside signs were cleaned and refinished.

PROVINCE OF ONTARIO SAVINGS OFFICES

Toronto (1556 Yonge Street)

At this Branch the present Bank Door was stripped and refinished, and the Banking Room redecorated.

Walkerton

The Heating System was renovated and a new oil space heater supplied for the heating of the Banking Room. The front of the Bank was painted and the present signs touched up and put in good condition.

Woodstock

This Branch was improved by the laying of new linoleum in the Public space. The walls and ceilings in the Banking Room and lavatories were completely decorated. Chipped glass windows in wooden frames were installed on the front windows of the Banking Room, and six new Flexlume Venetian Blinds were hung.

This work was carried out under the supervision of the Department.

FOR THE ONTARIO GOVERNMENT EXHIBITS

Canadian National Exhibition, Toronto

This year as in former years the Department of Public Works prepared the Province of Ontario Building for the annual Canadian National Exhibition with a view to providing a varied and attractive display to maintain the high public interest experienced in previous years. Preparation of the building included the installation and maintenance of mechanical services, stagework, back drops, props, general and feature illumination, sign work, colorschematics, painting and furnishing. With the assistance of the Department Horticulturist the building was attractively decked with native coniferous trees, shrubs and flowers.

Subsequent to the assignment of space to the various departments of the Province, this Department worked in close co-operation with and as liaison between the Department planning to exhibit in the show in a positive endeavour to attain a happy uniformity of pattern, contemporary level of design and dignity as would properly befit an exhibition to the public, of the functions of the Departments of the Government of the Province of Ontario.

Close co-operation was again experienced between the following Departments who exhibited:

Department of Agriculture
Department of Attorney General
Department of Education
Department of Health
Department of Highways
Department of Labour
Department of Lands and Forests, all Branches
Department of Mines
Department of Planning and Development
Department of Provincial Secretary and
Ontario Northland Railway
Department of Reform Institutions
Department of Travel and Publicity
Department of Public Welfare

Reception rooms were provided for the use of the Lieutenant-Governor and at his command for the use of visiting dignitaries. These consisted of a large Reception Room and Ante Rooms and were attractively furnished and adequately staffed by this Department. A regular feature of this suite is a beautiful flower display provided by Ontario Agricultural College at Guelph which was much admired by the public when the suite was open for inspection.

Paintings of former Lieutenant-Governors were borrowed from the Parliament Buildings and hung in the Reception Room, and aided in creating a very fine and appropriate atmosphere.

ONTARIO



The Central Dias, Theme Centre
Ontario Government Building, Canadian National Exhibition

PRODUCED BY THE DEPARTMENT OF PUBLIC WORKS

The Theatre in the building was, as usual, equipped and staffed by this Department and operated by the Motion Picture and Theatre Inspection Branch of the Provincial Treasurer's Department. Eighteen 16mm films were contributed by the following Departments: Agriculture, Education, Health, Highways, Lands and Forests, Ontario Northland Railway, Travel and Publicity, and the Hydro-Electric Power Commission of Ontario. In addition to the above programme the National Film Board of the Dominion Government provided stereoptican or third dimensional subjects in 35mm width, which required the use of special equipment and services. The fact that these films were shown in North America for the first time in the Ontario theatre, and were so advertised, accounts for the large attendance. The films shown at these performances were:

The Distant Thames
Around is Around
Now is the Time

The Theatre was attended by twenty-six thousand, nine hundred and forty-three persons and was efficiently operated on a regular full daily schedule with a level of performance equal to that experienced in 1950. Unfortunately, owing to limited seating space and the short programmes involved, many people were of necessity turned away.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

The following Government-sponsored organizations were again provided with space and exhibited:

The Hydro Electric Power Commission of Ontario
The Ontario Division of the Red Cross Society
The Ontario Branch, Canadian Cancer Society.

Public attendance and reaction was as usual carefully noted by this Department with a view to improving the design, quality and efficiency of operation of subsequent annuals and again a most satisfactory interest was observed.

Central Canada Exhibition, Ottawa

As in previous years an attractive display was provided at the Central Canada Exhibition utilizing the space under the Grandstand allotted to the Province by the Exhibition Officials. This Department organized, designed, and carried out the installation and maintenance of mechanical services, stagework, backdrops, props, general and features illumination, sign work, colorschematics, painting, furnishings, etc., for the following Departments of the Province of Ontario:

Department of Agriculture
Department of Highways
Department of Lands and Forests
Department of Mines
Department of Reform Institutions

Co-operation was again experienced between the exhibiting Departments and Officials of the Central Canada Exhibition, and a favourable showing was achieved, with large attendance indicated.

BOILER INSPECTION

The Boiler Inspection work of this Department, as in previous years, was carried out under the supervision of the General Superintendent of Mechanical Services, as an addition to his duties as Chief Stationary Engineer for the Parliament Buildings, assisted by the Inspector of Mechanical Services.

The boilers, boiler plant and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and Reformatories, the reports as referred to were sent to the Departments of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these Departments were attended to by Department of Public Works.

The recommendations contained in these reports regarding plants in all the other building groups referred to in this section were also attended to by Department of Public Works.

FINALLY

In closing this report I wish to most sincerely thank the members of the staff of The Department of Public Works for their kindly efforts to assist me through the years in the solving of our many problems and the carrying out of the work in the many Branches of our Department.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Chief Architect.

Toronto, March 31, 1952.

REPORT OF THE ENGINEER

Parliament Buildings, Toronto, Ontario,

June 13, 1952.

Mr. G. N. Williams,
Deputy Minister and Chief Architect,
Department of Public Works.

RE: CIVIL ENGINEER'S REPORT, 1951-52 DAMS, DOCKS, LOCKS, DRAINAGE, ETC.

The work performed under the supervision of the Departmental Civil Engineer during the fiscal year 1951-52, in addition to waterworks, sanitation, surveying, shore protection, etc., for the Provincial Institutions, was as follows:

SUMMARY

All work, was performed by day labour under the direction of Departmental foremen and by employing local labour wherever possible, except as noted.

The regular maintenance of dams, docks, locks and navigable channels was carried out. Two concrete dams previously commenced were completed, three concrete dams were commenced this year and completed, and two concrete dams commenced this year were not completed. Two timber and five concrete dams had major repairs effected, all as detailed below. Seven grants were made in aid of Municipal Drainage work and financial aid in the total amount of \$189,083.15, was granted to one hundred and sixty drainage schemes under the provisions of The Provincial Aid to Drainage Act, all as detailed below.

DETAIL

DAMS, DOCKS, LOCKS, ETC.

Blind River West Arm Dam, Algoma District

A request was received from the Blind River Chamber of Commerce to effect major repairs to a large timber and gravel plug dam that was leaking severely. It holds back the west arm of the Blind River from discharging into the North Channel of Lake Huron. This dam, together with the main concrete dam in Blind River creates a fair sized lake above them which is very important to the Blind River community. The West Arm dam is over 400 feet long, including the fill on each side and it is about 8 feet wide and 7 feet high. The timber section was repaired and the entire structure raised with earth and gravel fill so that the water will not leak through or flow over the top and wash away the fill.

REPORT OF THE ENGINEER

Ranger Lake Dam, Algoma District

At the request of the Department of Lands and Forests, an old lumberman's timber dam across the Garden River at the outlet of Ranger Lake was reconstructed with concrete. The dam is 120 feet long, 13 feet high and holds 8 feet of water above the sill. Two 12-foot sluiceways were installed, complete with stop logs and winches. Difficulty was experienced with the boulder bottom, and the excavation work had to be carried extra deep to ensure of stability and water tightness.

Salerno Lake Dam, Haliburton County

The old lumberman's dam at the outlet of Salerno Lake (Devil's Lake) had become completely rotted out and could not hold up the desired summer water level. A request to reconstruct the dam was received from the Department of Lands and Forests in the interests of conservation and the propagation of fish and wildlife. An agreement was entered into between that Department and the Dominion Department of Transport, regarding the operation of the new dam, as the impounded water would be used in connection with the operation of the Trent Valley Canal System. The dam was rebuilt with concrete, is 125 feet long and the concrete walls are over 12 feet high. The dam increased the lake level by about five feet. One 15-foot sluiceway was provided, complete with stop logs and winches.

Abram Rapids Wharf, Kenora

The work of reconstructing the wharf was completed early in the fiscal year. The wharf is constructed of 14 log cribs, approximately 8' x 10', filled with rock. The cribs have corner posts bolted to each tier of logs and the cribs are tied together with 8" x 8" flatted timber stringers. The wharf is approximately 435 feet long and 6 feet wide, with a deck of 2-inch rough planking. A 2" x 4" wood railing was installed, supported on 4' x 4" wood posts 36" high at 8 feet centres. The deck joists are made of 4" x 4" timber at 2 feet centers. A wood platform, 21 feet long and 8 feet wide, connects the wharf to the land.

Sandfield Dam, Manitoulin Island

The heavy Spring floods proved to be too much for the 16-foot sluiceway in the dam that was raised 12 inches last year. The high water caused some damage by flooding properties around Manitou Lake. An additional opening was blasted in the dam to immediately relieve the situation, and the opening trimmed last Fall and made into another 14-foot sluiceway.

Axe Creek Dam at Yearly's Falls, Muskoka District

An old lumberman's dam across Axe Creek at Yearly's Falls had become decayed and washed away. Representations were made by officials of the Townships of Stisted and McMurrich and other interested property owners in the vicinity to have the dam rebuilt. A new concrete dam was constructed about 70 feet long, with one 12-foot sluiceway and stop-logs. The new dam holds five or six feet of water over an area of about 100 yards wide by one half of a mile long, that was formerly swamp land. The water reservoir thus created is also beneficial to a large reforested area adjacent to it, and will provide a source of water in case of need for fire fighting. It will also encourage the establishment of summer cottages along the newly formed lake shore.



A view of Axe Creek Dam (Muskoka District) under construction

Bala Dam and Baysville Dam, Muskoka District

These dams were further improved by refacing masonry work with concrete and repairing damage done by the washing out of cement from last year's repair work.

Port Carling, Muskoka District

Repairs were made to the concrete dam piers and to the concrete sides of the small lock. A new concrete facing was poured as the old concrete was starting to disintegrate. A small crew was maintained repairing the planking and timber cribbing around the large locks to ensure the uninterrupted use of the locks throughout the summer, pending the commencement of the major reconstruction project that was held up owing to the shortage of steel. A boat house that had collapsed several years ago with the weight of snow was rebuilt and the slip repaired in order to provide winter storage for the gasoline launch and scow purchased for placing and removing navigation buoys in the Muskoka Lakes each year.

Port Sydney Dam, Muskoka District

The Department paid the cost of removing a small island in the Muskoka River just below the dam, which was causing the high water to wash away the river banks and was threatening to destroy private property and one of the roads. The work was done by the Department of Highways.

REPORT OF THE ENGINEER

Six Mile Lake, Muskoka District - Public Wharf

The Cottage Owners' Association of Six Mile Lake requested, through the local member, that a small timber wharf be constructed at Little Six Mile Lake Landing, commonly known as Long Portage, in Baxter Township. This is at the end of an important access road where the public leave their automobiles and go by boat to the numerous cottages and tourist resorts on the lake. A 68' x 6' timber wharf was constructed on five stone filled piers 6' x 6' in size. It will enable the public to easily embark and disembark from a wharf instead of from the hazardous rocky shore as heretofore.

Muskoka Lakes - Navigation Buoys

A used Launch with Ford V-8 Engine was purchased, together with a scow for transporting and placing spar buoys throughout the Muskoka Lakes. This work had previously been done by the owner of a steam tug, but it was considered that a more efficient job could be done directly by Departmental employees. The first year of operation proved to be satisfactory and it is planned to place the buoys by this method in the future.

Whitney Dam, Nipissing District

This project was completed early in the year. Some old piers that were under water because of the raising of the water level by the new dam, were removed so as to ensure the safety of small water craft navigating on the river above the dam.

Dutchman's Dam, Parry Sound District

The old lumberman's timber dam located across the Pickerel River, a few miles southeast of Port Loring in Concession 6, Mills Township, had become useless for holding up the river water level on account of disintegration by decay. A petition for the rebuilding was raised by interested parties and forwarded to the Department of Lands and Forests who endorsed it and requested this Department to do the work. Work was commenced on the construction of a new concrete dam about 30 feet below the old one, which was used as a coffer dam. A gorge about 30 feet wide and 30 feet deep exists between solid rock walls at this point. A hole about 12 feet deep had been gouged out of the bottom by countless logs that had been sluiced over the old dam during the past number of years. The water was pumped out of this hole and it was filled with low strength concrete and boulders to provide a solid foundation for the new dam. A heavy storm at the end of October caused flood waters to descend on the site and all the forms that had been erected for concreting the piers were washed away. Owing to the lateness of the season, further work was abandoned, to be resumed next year.

Feather Lake Dam, Rainy River District

The new concrete dam that was not quite finished last year, was completed and the Marine Railway restored and placed in service.



New Concrete Dam across Madawaska River

WHITNEY DAM (NIPISSING DISTRICT)

Manitou River Dam, Rainy River District

A coffer-dam was constructed along the upper face of the old dam by the use of cross timber sheeting sealed with earth and gravel. A large tonnage of broken rock was cleared from the site of the new dam about 50 feet below the old one and an excavation cut into the rock for the new dam cut-off wall. Concrete work was continued under great hardship during the early part of the winter months but was discontinued during the latter part, owing to the difficulty of carrying out this type of work in a location so remote from the nearest construction center. The hauling of fill and concrete gravel was carried out continuously throughout the winter and preparations were made to resume concrete work just at the close of the fiscal year. The concrete work placed during the year consisted of the cut-off wall and apron under the three sluiceways and about $\frac{1}{3}$ each of the four piers and a small portion of one of the wing walls. The steel chases were placed in position and their lower ends set in the concrete piers. 2600 bags of cement were taken in to the site over the ice during the two winters that construction was underway, together with construction equipment and supplies.

The project will be completed during the early part of the coming fiscal year.



New Concrete Dam in Bed-rock Cut

FEATHER LAKE DAM (RAINY RIVER DISTRICT)

Panache Lake Dam, Sudbury District

Early in the summer, the Department of Lands and Forests requested expedition in revisions to the concrete dam at the outlet of Panache Lake. The dam contained two 12-foot sluiceways and a fishway about 5 feet square, all with stop-logs. The severe spring floods overflowed the dam and backed up the waters of Lake Panache and severely damaged much property on the lake. A coffer-dam was erected and a considerable amount of bed-rock blasted out to make way for the sill of an additional gate. The old wing wall was removed with a portable gasoline engine operated jack-hammer, and the wall replaced with a new concrete wing wall and a 2-foot sluiceway, complete with stop-logs and winches. The fishway was not replaced. A large timber scow was constructed in which to convey materials and equipment to the site from the nearest road head, several miles away at West Bay. The scow was sold to a nearby summer camp when the work was completed.

Ivanhoe Lake Dam, Sudbury District

The work of effecting major repairs to the Ivanhoe Lake timber dam was recommended at the first of this fiscal year and completed early last winter. The construction of the west pier was completed and rock filled, and the center pier that was reconstructed last year was filled with

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

rock. The east pier was rebuilt with round timber and the 16 feet pier between the two waste gates was renewed. Rock filled round timber wiers 8 feet wide were installed extending 190 feet from the end of the west pier and 110 feet from the end of the east pier, respectively, to the two river banks. The areas behind them were filled with rock and gravel bulldozed down from the adjacent side-hills, to prevent damage from back eddies. A channel 100 feet wide was bulldozed through a boulder island at the foot of the dam to carry the tail water directly away from the dam and prevent the formation of back-eddies. The project was carried out under the supervision of this Department and under the very excellent direction of Chief Ranger Languerand of the Department of Lands and Forests, and by the use of local labour.

REMEDIAL WORK

Lake Erie Shore Protection, Harwich Township, re Burk Drainage Works

The Burk Drainage Works is a scheme of embanking and pumping that reclaimed 1200 acres of waste marsh land and converted it into land suitable for intensive cultivation. It also provided the only roadway connection between the Village of Erieau and the mainland of the County of Kent. The valuable farmland and the Lakeshore roadway are wholly dependent for their continued existence upon protection from the wave action of Lake Erie. The reclaimed area is actually below lake level that varies at different times of the year. 3000 lineal feet of sea wall and groynes were installed at the easterly end of the marsh in 1930, and 500 lineal feet of rubble stone was placed along the beach further east to protect the roadway and railway at the westerly entrance to Erieau in 1937. Prior to 1946, the low sand bar along the lake shore opposite the westerly portion of the marsh was considered to be sufficient protection for the embankment. The sand bar was 50 to 100 feet distant from the embankment. Severe storms destroyed the effectiveness of the sand bar and in 1947 and 1948, 2550 lineal feet of sea wall and 52 groynes were constructed at the westerly end to keep the lake from breaking through the roadway-embankment. Harwich Township was assisted financially in all this construction work and in its maintenance by grants under The Provincial Aid to Drainage Act, and also by special grants from the Province and the Dominion.

Continued storms and high water threatened to break through the embankment between these protective works at the easterly and westerly ends, and it was considered necessary to fill in the gap by constructing a sea wall and groynes across the central portion. A contract was awarded, and 6100 lineal feet of timber sea wall and 111 timber groynes, each 50 feet long and 50 feet apart, were constructed. The sea wall was made of 4-inch wood sheet piling, 12 feet long, at 12-foot centers, at the outer end, bolted to the walings. The Province and Dominion contributed \$100,000.00 each towards the project, which cost slightly in excess of \$200,000.00.

REPORT OF THE ENGINEER

LOCKAGES

The following number of watercraft were locked through as follows:

	Steamers	Small Boats	Scows	Rafts	Total
Port Carling	869	3471	215	—	4555
Huntsville	12	433	—	—	445
Magnetawan	—	4	—	—	4
	881	3908	215	—	5004

MUNICIPAL DRAINAGE

Grants totalling \$4,546.50 were paid in aid of Municipal Drainage in the following localities:

County or District	Townships	Amount
Frontenac	Hinchinbrooke	\$1,119.45
Frontenac	Clarendon & Miller	250.00
Frontenac	Palmerston	202.80
Nipissing	Chisholm	68.00
Renfrew	Stafford	60.00
Simcoe	Vespra	1,327.15
Sudbury	Dill	532.15
		<hr/> \$4,546.50

PROVINCIAL AID TO DRAINAGE

In accordance with The Provincial Aid to Drainage Act, plans were examined, the completed work was inspected and grants in proportion to the construction costs were paid to the following Townships:

County	Township	No. of Grants paid	Amount of Grants
Bruce	Culross	1	\$ 1,746.32
Bruce	Elderslie	1	2,050.00
Dundas	Mountain	1	703.60
Dundas	Winchester	2	2,999.47
Elgin	Dorchester South	6	4,175.40
Elgin	Southwold	1	3,058.07
Essex	Anderdon	1	572.78
Essex	Colchester North	2	1,258.50
Essex	Gosfield North	5	5,415.96
Essex	Gosfield South	2	1,576.84
Essex	Maidstone	13	11,703.83
Essex	Malden	3	2,279.39
Essex	Pelee	3	975.93

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

Essex	Sandwich East	2	1,694.94
Essex	Sandwich South	1	2,427.25
Essex	Tilbury North	2	879.69
Essex	Tilbury West	2	14,563.60
Glengarry	Charlottenburgh	1	3,431.84
Glengarry	Kenyon	4	8,105.28
Glengarry	Lochiel	2	4,615.86
Huron	Turnberry	1	239.67
Huron	Usborne	2	937.28
Kent	Camden	1	194.65
Kent	Dover	2	9,165.04
Kent	Harwich	2	726.34
Kent	Raleigh	7	5,390.98
Kent	Romney	1	1,095.73
Kent	Tilbury East	1	525.67
Kent	Zone	5	3,249.81
Lambton	Bosanquet	2	1,251.88
Lambton	Brooke	9	4,388.51
Lambton	Dawn	3	717.44
Lambton	Enniskillen	11	6,326.62
Lambton	Euphemia	6	1,695.69
Lambton	Moore	8	3,338.85
Lambton	Sombra	5	2,017.13
Lambton	Warwick	4	1,823.32
Middlesex	Ekfrid	2	644.00
Middlesex	Mosa	5	2,881.00
Middlesex	Westminster	4	5,401.10
Middlesex	Newbury (Village of)	1	154.17
Oxford	Norwich North	1	192.59
Oxford	Zorra East	2	737.91
Perth	Ellice	3	2,786.27
Perth	Elma	1	92.23
Perth	Fullarton	3	5,021.46
Perth	Hibbert	3	1,771.99
Perth	Logan	2	2,870.88
Perth	Wallace	1	1,028.11
Renfrew	Bromley	1	1,263.04
Simcoe	Sunnidale	2	4,450.45
Stormont	Roxborough	1	1,155.35
Welland	Humberstone	1	1,261.70
Welland	Wainfleet	1	35,843.67
Wellington	Carafra West	1	3,708.07
TOTAL - 1951-1952		160	\$189,083.15

Respectfully submitted,

W. L. Rice, P. Eng.,

Civil Engineer.

Statements
of the
Acting
Accountant
of
Public Works Department
1951-1952

Department of Public Works, Ontario,
TORONTO, March 31st, 1952.

The Honourable F. S. Thomas, M.P.P.,
Minister of Public Works.

Sir:—

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Government Buildings and Public Works, during the fiscal year which ended on the 31st. of March, 1952.

I have the honour to be, Sir,
Your obedient servant,
A. G. MacLEOD,
Acting Accountant.

STATEMENT OF THE ACCOUNTS

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1st, 1951 to MARCH 31st, 1952

<i>Service</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
Main Office-Administration expenses, etc.	659,252.10		659,252.10
Maintenance and repairs			
Government Buildings	2,676,404.07		2,676,404.07
Public Works-Maintenance	55,978.71		55,978.71
Public Works-Aid to			
Drainage	9,904.56		9,904.56
Public Buildings		8,493,533.13	8,493,533.13
Public Works		218,828.24	218,828.24
Miscellaneous	26,999.53	1,177,661.03	1,204,660.56
Statutory-Drainage Aid	189,083.15		189,083.15
Special Warrant	40,879.74		40,879.74
Total Net Expenditure	\$3,658,501.86	9,890,022.40	13,548,524.26

STATEMENT OF REVENUE

Commissions on telegraphs and telephones	6,247.61		6,247.61
Sale of Material	2,016.05		2,016.05
Rentals	31,071.06		31,071.06
Perquisites	1,706.00		1,706.00
Building equipment	746.51		746.51
Miscellaneous	2,038.23		2,038.23
Sale of property		11,175.00	11,175.00
Contract security deposits		13,796.00	13,796.00
	13,825.46	24,971.00	68,796.46

A. G. MacLeod,
Acting Accountant

TORONTO,
March 31, 1952.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

STATEMENT OF EXPENDITURE, MAIN OFFICE, MAINTENANCE REPAIRS and CONSTRUCTION of PUBLIC BUILDINGS FOR FISCAL YEAR ENDING MARCH 31ST., 1952

ORDINARY

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
MAIN OFFICE		
Minister's Salary	3,978.45	
Salaries	336,417.19	
Travelling expenses	22,750.63	
Maintenance	48,016.08	
Insurance	622.49	
Local Improvement taxes	1,234.23	
Unforeseen and unprovided	37.93	
Compensation-medical, etc., for injured workmen	26,905.54	
Cost of living bonus	190,413.66	
Unemployment Insurance stamps	28,875.90	659,252.10
GENERAL SUPERINTENDENCE		
Salaries	77,319.46	
Services, travelling and other expenses	24,528.75	101,848.21
LIEUTENANT-GOVERNOR'S APARTMENT		
Salaries	4,179.96	
Maintenance	2,269.05	6,449.01
LEGISLATIVE and DEPARTMENTAL BUILDINGS		
Administrative Services:		
Salaries	51,629.39	
Telephone service	122,925.70	
Typewriter inspection and repairs for all departments	17,994.71	
Maintenance staff:		
Salaries - permanent	145,303.27	
temporary	232,790.59	
casual	141,666.38	519,760.24

STATEMENT OF THE ACCOUNTS

<i>Service</i>		<i>Amount</i>	<i>Amount</i>
		\$	\$
Maintenance:			
Fuel, light, gas, water and power	180,618.20		
Cleaning supplies, upkeep of grounds	58,432.90		
Furniture, furnishings and equipment for buildings	13,431.58	252,482.68	
Repairs to Buildings:			
Salaries-Mechanical staff	166,721.58		
Repairs and alterations	297,067.93	463,789.51	
		1,428,582.23	
Deduct rentals		3,000.00	1,425,582.23

OSGOODE HALL

Salaries - permanent	29,937.16		
temporary	15,137.08		
casual	13,344.58	58,418.82	

Maintenance:

Fuel, light, water and power	10,601.67		
Furniture, furnishings, etc.	2,495.76		
Telephone service	5,615.95		
Cleaning of buildings, etc.	4,433.47		
General repairs and alterations	28,704.40	51,851.25	110,270.07

GOVERNMENT BUILDINGS

Repairs, alterations and incidentals
For Departments of:

Agriculture	75,872.12		
Attorney General	102,381.65		
Education	159,097.06		
Health	304,397.78		
Lands and Forests	48,856.00		
Reform Institutions	80,586.34		
Travel and Publicity	2,748.81		
Other Departments	21.34	773,961.10	

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$

ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS

Maintenance:

Salaries of Caretakers,
cleaning supplies, fuel,
electricity, water, repairs
to buildings and incidentals

Kingston	9,194.60	
London	3,308.98	
New Liskeard	1,782.72	
North Bay (Health Clinic)	16.62	14,302.92

General:

Rentals and caretaking of
leased premises and expenses
in connection therewith

243,990.53	258,293.45
------------	------------

PUBLIC WORKS

Maintenance:

Salaries-Lockmasters, Sup-
ervising Foremen, etc.
Repairs to locks, dams, etc.
Equipment
Maintenance of Hawkesbury-
Grenville Bridge.

11,249.06	
40,447.63	
2,122.98	
2,159.04	55,978.71

Salaries and expenses in connection with
preparing drainage schemes and for con-
struction, improvement or reconstruction
of trunk channels for farm drainage in
Northern Ontario

9,904.56

Miscellaneous

Preparing and installing exhibits for Government
Departments, including costs of electric services
and other expenses in connection therewith

26,999.53

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
STATUTORY: Drainage Aid -		
Townships of:		
Anderdon	572.78	
Bosanquet	1,251.88	
Bromley	1,263.04	
Brooke	4,388.51	
Camden	194.65	
Charlottenburgh	3,431.84	
Colchester North	1,258.50	
Culross	1,746.32	
Dawn	717.44	
Dorchester South	4,175.40	
Dover	9,165.04	
Ekfrid	644.00	
Elderslie	2,050.00	
Ellice	2,786.27	
Elma	592.23	
Enniskillen	6,326.62	
Euphemia	1,695.69	
Fullarton	5,021.46	
Garafraxa West	3,708.07	
Gosfield North	5,415.96	
Gosfield South	1,576.84	
Harwich	726.34	
Hibbert	1,771.99	
Humberstone	1,261.70	
Kenyon	8,105.28	
Lochiel	4,615.86	
Logan	2,870.88	
Maidstone	11,703.83	
Malden	2,279.39	
Moore	3,338.85	
Mosa	2,881.00	
Mountain	703.60	
Norwich North	192.59	
Pelee	975.93	
Raleigh	5,390.98	
Romney	1,095.73	
Roxborough	1,155.35	
Sandwich East	1,694.94	
Sandwich South	2,427.25	
Sombra	2,017.13	
Southwold	3,058.07	
Sunnidale	4,450.45	
Tilbury East	525.67	
Tilbury North	879.69	
Tilbury West	14,563.60	
Turnberry	239.67	
Usborne	937.28	
Wainfleet	35,843.67	
Wallace	1,028.11	
Warwick	1,823.32	

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1952

<i>Service</i>	<i>Amount</i> \$	<i>Amount</i> \$
Westminster	5,401.10	
Winchester	2,999.47	
Zone	3,249.81	
Zorra East	737.91	
Village of Newbury	154.17	189,083.15
	<hr/>	

SPECIAL WARRANT

Expenses in connection with the visit of
Their Royal Highnesses, Princess Elizabeth
and Duke of Edinburgh

40,879.74	40,879.74
<hr/>	<hr/>

TOTAL ORDINARY EXPENDITURE

3,658,501.86
<hr/>
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CAPITAL

PUBLIC BUILDINGS

To provide for construction of new buildings
and works, purchase of lands and buildings,
including additions, alterations, equipment
and extension of services to existing build-
ings and works, etc.

8,493,533.13	8,493,533.13
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PUBLIC WORKS

Municipal Drainage, including Grants in
aid thereof
Storage Dams and Docks

4,546.50	
214,281.74	218,828.24
<hr/>	

MISCELLANEOUS

Grant - City of Sudbury	330.00
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Grants - Conservation Authorities -

Ausable River	675.00	
Etobicoke-Mimico	266,203.01	
Ganaraska River	650.00	
Grand River	38,607.10	
Grand Valley	5,000.00	
Humber Valley	2,100.00	
Moirs River	2,962.50	
Saugeen Valley	1,425.00	
Upper Thames River	722,207.94	1,039,830.55
	<hr/>	

STATEMENT OF THE ACCOUNTS

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
Aid - Flooding - Lake Nipissing	25,811.08	
Aid - Remedial Works, etc.	111,689.40	1,177,661.03
TOTAL CAPITAL EXPENDITURE		9,890,022.40

SUMMARY

ORDINARY EXPENDITURE

Main Office and Maintenance and Repairs of Government Buildings	3,658,501.86
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CAPITAL EXPENDITURE

Public Buildings and Public Works	9,890,022.40
	13,548,524.26

A. G. MacLEOD,
Acting Accountant

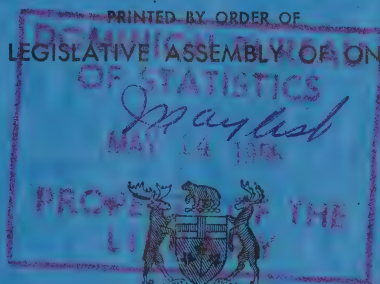
TORONTO, March 31st, 1952

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Government
Publications

Report
of the
Minister of Public Works
for the
Province of Ontario
for the
Twelve Months Ending March 31st, 1955

1954/55
PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE
QUEEN'S MOST EXCELLENT MAJESTY, 1956

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Report

of the

Minister of Public Works

for the

Province of Ontario

for the

Twelve Months Ending March 31st, 1955

PRINTED BY ORDER OF
THE LEGISLATIVE ASSEMBLY OF ONTARIO
SESSIONAL No. 15 — 1956



ONTARIO

TORONTO

PRINTED AND PUBLISHED BY BAPTIST JOHNSTON, PRINTER TO THE
QUEEN'S MOST EXCELLENT MAJESTY, 1956



COL. THE HONOURABLE WILLIAM GRIESINGER, M.C., V.D.

MINISTER OF PUBLIC WORKS

To:

THE HONOURABLE LOUIS O. BREITHAUPT,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the reports of the Deputy Minister and Chief Architect, as well as the report of the consulting services rendered the Department of Health, the report of the Accountant, and the report of the Engineer as submitted to the Deputy Minister (Engineering), for the twelve months ending the 31st of March, 1955.

Respectfully submitted,

WILLIAM GRIESINGER,

Minister of Public Works.

REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

(ARCHITECTURE)

THE HONOURABLE WM. GRIESINGER, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying report of the Chief Architect, and the report rendered the Department of Health on Private and General Hospitals as submitted by one of our Architects, for the fiscal year, April 1, 1954, to March 31, 1955.

In presenting this report, I desire to take the opportunity to again extend my sincere thanks and appreciation to you for your very patient and kindly attitude when dealing with all matters pertaining to the administration of this Department, and also to thank the members of the staff of the Department of Public Works for their co-operation and assistance in carrying out our greatly expanded programme during this past year.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Deputy Minister of Public Works (Architecture)

Toronto, March 31, 1955.

REPORT OF THE CHIEF ARCHITECT

To:

THE HONOURABLE WM. GRIESINGER, M.P.P.,
Minister of Public Works.

Sir:

I have the honour to report on the work done by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1954, to March 31st, 1955.

During the fiscal year a considerable programme of work in respect to the construction of new buildings was again undertaken by the Ontario Department of Public Works to meet the requirements of the various branches of the Government services.

For the Department of Health an extensive schedule of work was engaged in, relative to the erection of new Mental Hospital Buildings to increase the bed accommodation for patients. A large amount of work was also carried out in the way of new buildings, additions to existing buildings, and general maintenance and considerable fireproofing work.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Parliament Buildings, Main Building and North Wing

Extensive fireproofing and remodelling work was continued during this fiscal year and the major work as carried out was as follows:

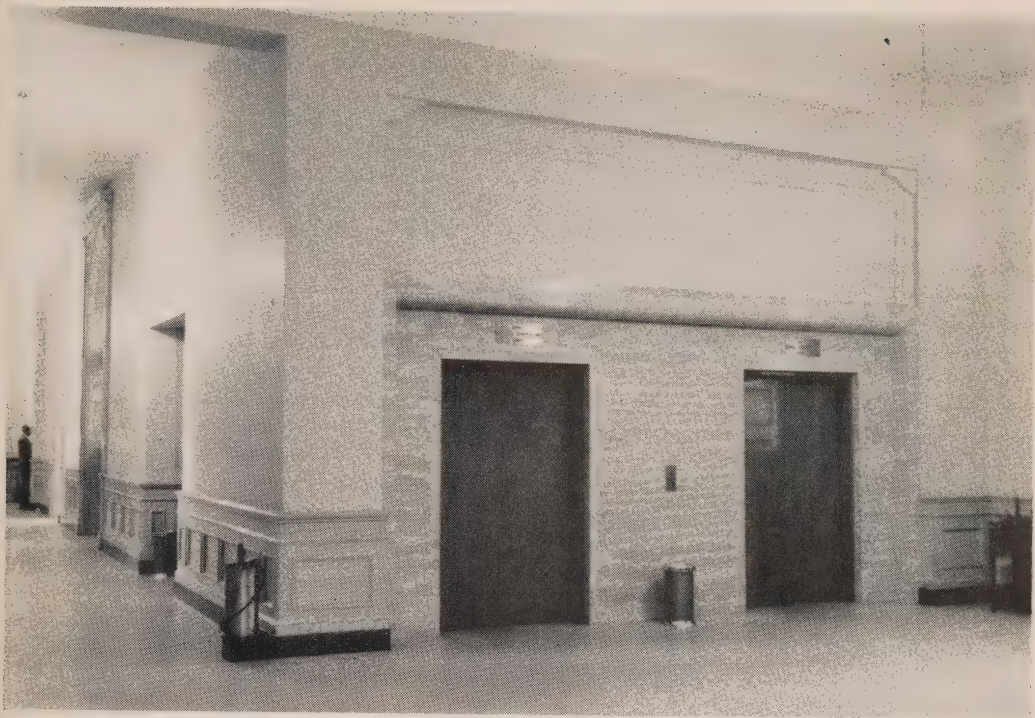
The existing wooden floors were removed in the centre of the East Wing and replaced with floors constructed of structural steel and concrete, preparatory to the installation of one service and two modern passenger elevators. In addition the wooden staircase was removed and a fireproof steel stairway was installed leading to all four floors in this section of the building.

Names of Members of the Hepburn, Conant, Nixon, Drew and Kennedy Cabinets for the period 1934 to 1949 were cut in marble panels in the Centre Hall leading to the library, continuing the record of the Ministries of the Province inscribed there.

Several rooms in the Lieutenant-Governor's Suite were painted. The Ministers' Dining Room was redecorated and a new carpet was laid. Partitions were removed in Room 427. Shelving was erected in Room 519. Eight sets of doors were fabricated and installed in Room 328. A number of rooms on the third floor were repainted.

The corridor at the North Wing was painted and new marble panels and new radiator covers were installed.

Shelving and partitions were erected for Department of Public Works Storerooms in the basement, and cupboards and shelvings were erected in the basement vault. Water and waste lines were renewed in the Laundry Room.



A View of the New Elevators Installed in the Main Building
PARLIAMENT BUILDINGS, TORONTO

The rain water stack at the north east corner of the North Wing, leading from the roof to the basement, was renewed. New stone was cut and laid over the front entrance replacing badly eroded stonework. Loose slates, flashings and stonework on the Main Building were repaired.

Necessary running repairs and replacements were made throughout the fiscal year to the plumbing and heating systems of the Legislative and Departmental Buildings to maintain the systems in good working order.

East Block

Alterations were carried out to the telephone switchboard office to provide a lounge and washroom for the night staff, and repairs were made to the roof above this section of the building.

Laboratories in the Department of Mines office were extended and the Rope Testing Laboratory was painted.

Renovations to the Cafeteria included painting of the walls and the installation of new stoves and a steamer in the Kitchen.

Office partitions were removed in the Motor Vehicles Branch of the Department of Highways, and cabinets and racks were built for the Blueprint Department. Partitions were erected in Room 2627. Exhaust fans were installed in the Motor Vehicles vault and the Department of Highways vault.

X-ray shields were erected for the Tuberculosis Prevention Section of the Department of Health.

Plaster repairs were carried out in all washrooms, and in offices wherever required throughout the building. Numerous offices were redecorated. Shelving was built in the vault in Room 3532. Shelving was altered and added in Room 1429.

Space was provided in the basement for the installation of three Diesel Generator Stand-by Units, and it may be mentioned this emergency power plant is now fully installed.

A cable trench was excavated leading from the East Block to the new Treasury Building.

Necessary repairs were carried out by all trades to maintain this building and contents in a good state of repair.

7 Queen's Park Crescent

The fourth floor was renovated and altered to provide office space. Window draft deflectors were fabricated and installed. The linoleum was repaired and renewed where necessary. Guard rails were placed at the stairway and window areas. A new 60-cycle panel was built replacing the existing 25-cycle panel. A parking area was provided south of this building.

11 Queen's Park Crescent (New Treasury Building)

Due to the expansion of services rendered by the Provincial Government and increased activities in the Treasury Department it was found necessary to construct a new building to meet their requirements.

The architecture of this building is modern and consists of a basement, six storeys and a penthouse.

The framework is constructed of reinforced concrete and provision has been made at the southwest corner for further building extension when required.

The exterior shell is of Queenston Limestone leading to the roof with a bush hammered granite base course, granite steps at the entrances and polished black granite around the main entrance.

The vestibule and entrance lobbies are walled with marble and the passage floors are terrazzo with marble base.

Heavily reinforced concrete vaults are built into the reinforced concrete framework of the building and other security measures have been installed.

Heating and electrical services are supplied by lines leading underground from the East Block to this building.

It is anticipated this building will be ready for occupation in July, 1955.

13 Queen's Park Crescent

The roof was repaired and minor plumbing repairs were carried out.



A View of the New Treasury Building
11 QUEEN'S PARK CRESCENT, TORONTO

15 Queen's Park Crescent

A new washroom was provided on the first floor.

39 Queen's Park Crescent

The wooden fence and coal shed were dismantled.

18 Surrey Place (Ontario Provincial Police Garage)

A new roof was installed on the southerly side of this building.

20 Surrey Place (Department of Highways Garage)

Wooden floors and partitions were removed and a concrete floor was laid in the shop area. A ventilating system was installed to discharge fumes from the garage.

67 College Street (Old Sick Children's Hospital)

A large room in the fourth floor Annex was subdivided to provide four offices. The existing wall dividing offices No. 404 and No. 406 was removed to provide one large office. Partitions were erected to divide offices No. 408 and No. 420. A partition was built enclosing the spectrograph machine. Defective heating and plumbing lines were renewed.

Insulation work was carried out, on lines serving the Cobalt Bomb Room: on new steam and return lines in the boiler room, and on new hot and cold water lines.

88 College Street

Complete renovation work was carried out at this building, necessitated by fire damage.

206 Huron Street (Department of Education)

Fireproofing of the main stairway including the installation of metal-clad self-closing doors is under way. Major roof repairs were completed at the south westerly side of the Main Building, including installation of new eavestroughs.

Six double casement windows on the westerly side of the Annex were replaced with new windows to render this area weatherproof. The hallways on all floors were painted. New storm doors were fabricated and installed in the south east section of the building on the fifth floor level.

Mail sorting shelves were constructed and installed in the main office to expedite mail delivery to the various departments.

The radiators and steam lines located on the second floor in the Main Building were repaired and insulated.

Osgoode Hall

A new sprinkler system for the basement area was installed, and the installation of a new sprinkler system for areas on the main floor is proceeding.

Considerable fireproofing work is underway in the north east block.

New eavestroughs were installed on the roofs around the Judges' Courtyard. A new section of concrete sidewalk was laid in this area. New asphalt tile roofing was installed over some sections of the main library; also a new metal roof was installed over the north central section of the main building.

Major repair work to the walls, roof and eavestroughs above the Court of Common Plea is proceeding.

Repairs are being carried out to all return lines, including insulation work. Front arches of No. 1 and No. 2 boilers were renewed.

Queen and York Streets (Ontario Government Office Building)

Construction of this seven-storey building with a full depth basement and a two-storey penthouse above the main roof level, to meet the requirements of various branches of the Department of the Attorney General as referred to in the previous year's Report, is rapidly nearing completion.

The superstructure of this building is of reinforced concrete beam and slab type construction. The exterior walls facing on Queen Street, York Street and University Avenue are of brick faced with Queenston limestone from grade level to the roof. The southern wall is of brick



A View of Ontario Government Office Building
QUEEN AND YORK STS., TORONTO

construction, and the exterior walls of the penthouse are of brick faced with Queenston limestone leading from the main roof to its roof level.

At the main Queen Street entrance the interior vestibule walls are faced with travertine marble and the floor is terrazzo.

All corridors and many of the rooms have acoustic tile ceilings and all floors are covered with linoleum.

This building is serviced with two automatic passenger elevators and one freight elevator.

The heating of this building is a forced flow hot water system supplied by two oil fired boilers.

Parking space for automobiles is provided at the southerly and westerly sides of the building.

It is expected that this building will be completed and ready for occupancy in July, 1955.

70 Lombard Street

77 Richmond Street East

Construction of the one-storey "L" shaped building, located at Richmond Street East, immediately adjoining the Main Building and



A View of the Receiving and Statistical Room

DEPARTMENT OF THE REGISTRAR GENERAL
LOMBARD ST., TORONTO

known as 70 Lombard Street, as referred to in the previous year's Report, was completed and occupied by the Vital Statistics Branch of the Department of the Registrar General.

454 University Avenue

This building, formerly occupied by the Ontario Liquor Control Board, is being completely renovated and remodelled to meet the requirements of the Department of Planning and Development.

6 - 8 York Street (Department of Labour Building)

Conversion of this seven-storey factory type building, with a two-storey Annex attached, to a modern office building, as referred to in the previous year's Report, is nearing completion to provide accommodation for the Department of Labour and other Departments of the Government.

Queen's Quay (Ontario Provincial Police Garage)

Water barriers were constructed at the main garage. Repairs to the concrete ramp were completed. The roof was repaired. The machine shop was remodelled. Two roadside sign racks were constructed and fitted for use in the Ontario Provincial Police automobiles.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

1075 Millwood Road (Ontario Film Censorship Board)

A frame was constructed to carry the new cinemascopé screen. Major repairs were made to the roof and ventilators over the Projection Room.

291-295 Sherbourne Street (Ontario Provincial Police Training School)

New basement windows and concrete sills were installed to replace defective units. The walls of the Main Building were repaired.

1200 Sheppard Avenue (DPW Work Shops)

Considerable work was carried out at this centre during the fiscal year for the Department of Public Works and for other Departments of the Government. This work included the manufacturing of cabinets, cupboards, work tables, benches, racks, window frames, etc.

LEASED PREMISES

559 Jarvis Street (Department of Highways)

Partitions, rails, counters, shelves, etc., were erected at this newly leased three-storey building.

ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS

Kemptville

Excavation work commenced on December 13th, 1954, for the construction of a two-storey brick and concrete building to accommodate the Department of Agriculture, Department of the Attorney General (Ontario Provincial Police Branch), Department of Lands and Forests and the Department of Public Works. This building is well on the way to completion.

The first floor, which is at ground level, is laid out for storerooms and detention cells, also offices for the Department of Agriculture, a transformer room, and a caretaker's supply room. The building will be heated by a hot water system and it may be mentioned the boiler room will also be located on the first floor.

The second floor consists of offices for the aforementioned Departments, and includes a common board room, a switchboard room, a telephone equipment room, also male and female washroom facilities.

The floors are of concrete construction and covered with linoleum; and the corridors and stairs are terrazzo.

Kingston

The interior of this building was redecorated. Fluorescent lighting fixtures were installed in two of the general offices. This building was rewired. A new hot water tank and boiler were installed. The concrete road approach was repaired.

Matheson

General repairs and maintenance work were carried out.

Morrisburg

Construction of two temporary buildings to provide office accommodation for various Departments of the Government services was substantially completed.

New Liskeard

An addition comprising two storeys and a basement was constructed to the existing building to provide additional vault space and increased washroom facilities.

Sudbury

Necessary renovation work was carried out on the second floor of leased premises acquired to provide office space for the Department of Agriculture, Department of Education, Department of Lands and Forests, Department of Mines and the Department of Public Works.

DEPARTMENT OF PUBLIC WORKS REGIONAL BUILDINGS

Huntsville (DPW Yard and Stores)

A building of frame construction was erected to act as a carpenter shop, paint shop, and for storage purposes.

Considerable fabrication and repair work for various Departments of the Government Services located in this district was carried out at this centre.

Port Arthur (DPW Warehouse and Office)

Construction of a one-storey building comprising a warehouse, workshop and office, as referred to in the previous year's Report, is now fully complete.

A one-storey frame building is being constructed to accommodate four trucks.

For the DEPARTMENT OF AGRICULTURE

Barrie Highway — Fruit Inspection Station

A new Fruit Inspection Station of modern design was constructed on the Barrie Highway near Schomberg to serve this area.

Cayuga — Rural Youth Training Centre

A new automatic heat control was installed, replacing the defective hot water control. The stoker was repaired.

Ontario Agricultural College, Guelph

Administration Building

Construction of a new Transformer Room at this building was completed. Two cut-stone chimneys were dismantled and replaced. Three sets of entrance steps were rebuilt. New domestic hot water storage heaters were installed.

College Crescent Residences

A trench was excavated a distance of approximately 300' and electrical cable was laid under Highway No. 6 to service these residences.

Greenhouses

Complete renovation of the heating system in the greenhouses was carried out.

MacDonald Hall

An unused section in the basement of this building was renovated and equipped to serve as a Students' Council Room.

MacDonald Institute

Extensive alterations were completed during this fiscal year, including the installation of new washrooms on the third floor, remodelling of the corridor in the basement, and the conversion of the Director's former apartment into a Clothing Laboratory.

MacDonald Institute Addition

The construction of this new two-storey Addition with a full basement provided was completed and the building is now occupied.

Piggery Research Building

Construction of this new building, as described in the previous year's Report, is fully complete.

Power Plant

A new pump house was constructed.

A steam trench of concrete construction was laid, leading from the Power Plant to the Seed Cleaning Plant and the rink.

Remodelling of the machinery room was completed.



A View Showing Progress of Construction of
New Seed Cleaning Research Building
ONTARIO AGRICULTURAL COLLEGE
GUELPH

Seed Cleaning Research Building

Construction of this new building to serve as a seed cleaning research unit is well under way.

Turkey Shelter (Arkell Farm)

Construction of this building, as referred to in the previous year's Report, was completed.

Fire Protection Measures

In accordance with the Fire Marshal's report and recommendations Fire Protection work was continued during this fiscal year and included the installation of bulkheads and fire doors in the attics of various buildings at this Institution.

Ontario Veterinary College, Guelph

Administration Building

Construction of a new addition to this building to provide an elevated lecture room, laboratories and offices, is substantially complete.

Sheep Laboratory

A new sheep building was erected at the Gale Farm for research purposes.



A View of the New Agricultural School Building
EXPERIMENTAL FARM, RIDGETOWN

Swine Laboratory

Construction of a Swine Laboratory at the Gale Farm is well advanced.

Kemptville — Agricultural College

In accordance with the Fire Marshal's recommendations new brick and concrete fire escape enclosures are being erected at the Students' Residences.

A new concrete tunnel was constructed replacing the rotted plank tunnel leading from the Judging Pavilion to the greenhouse.

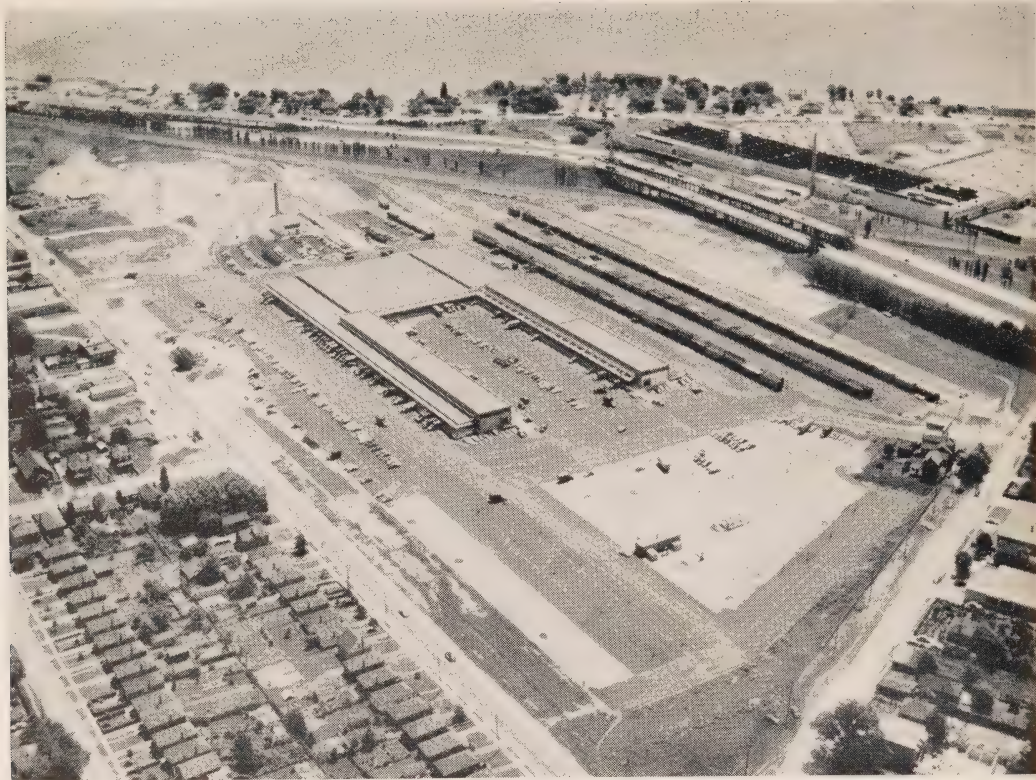
The Principal's Residence was completely rewired and new electrical fixtures were installed.

New Liskeard — Demonstration Farm

A new Piggery Barn was constructed.

Ridgetown — Experimental Farm

Construction of a new three-storey Agricultural School Building is substantially complete.



Aerial View of The Ontario Food Terminal
165 THE QUEENSWAY
TOWNSHIP OF ETOBICOKE

A residence was purchased and remodelled to provide three apartments for the teaching staff.

The hot water boiler in the greenhouse was repaired.

Toronto — Ontario Food Terminal (165 The Queensway)

The Ontario Food Terminal, located in the Township of Etobicoke, as described in detail in the previous year's Report, was officially opened by the Prime Minister, Hon. L. M. Frost, on July 21st, 1954.

Vineland — Horticultural Experimental Station

Alterations to the heating system were carried out.

An extension to the laboratory is well under way.

Wheatley — Fruit Inspection Station

The interior and exterior of this building were painted.

For the
DEPARTMENT OF THE ATTORNEY GENERAL
PROVINCIAL POLICE DETACHMENT OFFICES

Armstrong

A two-car garage was constructed. Concrete sidewalks were laid. Minor maintenance repairs were carried out.

Atikokan

A two-car garage was constructed.

A steel flagpole was erected replacing the old wooden pole.

Aurora

The walls around the relay tower were repaired.

Bancroft

Landscaping work was carried out.

The exterior of the building was painted.

A new tile bed was laid.

New radiators were installed to overcome defective heating.

Barrie

Three residences were constructed to provide living quarters for the Ontario Provincial Police personnel, and three additional residences are being constructed.

Beardmore

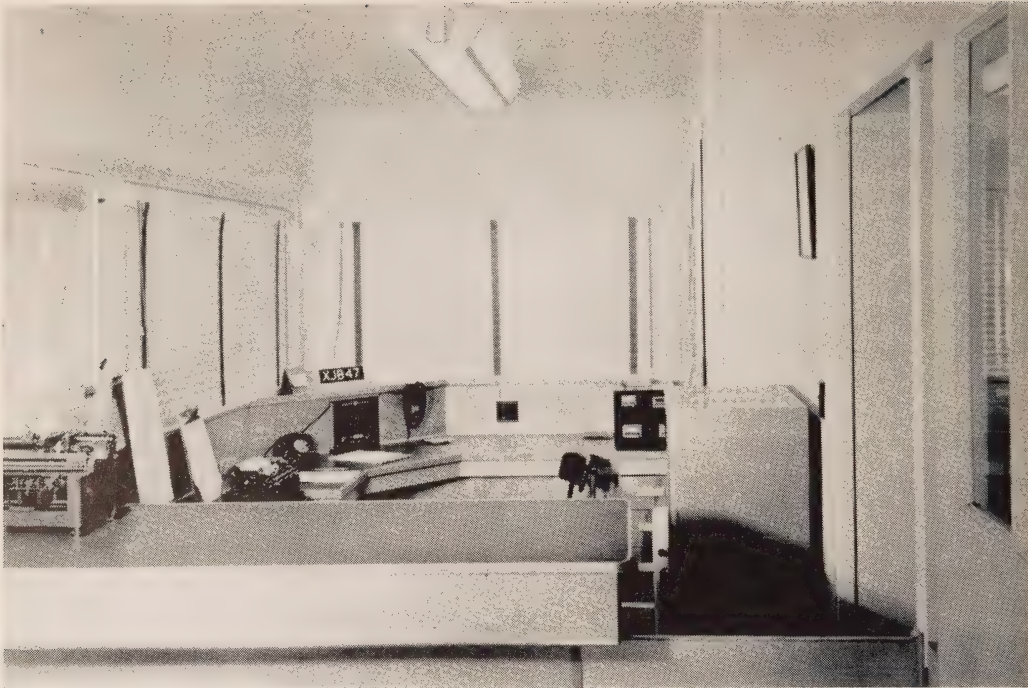
A two-car garage was constructed. Necessary maintenance repairs were carried out.

Bracebridge

The residence at this Detachment Office was rewired and re-decorated. The roof was repaired and a ventilator was installed.

Brantford

Renovation of a converted residence to provide for an Ontario Provincial Police Detachment Office was completed.



A View of the Radio Room
ONTARIO PROVINCIAL POLICE DETACHMENT OFFICE
BRANTFORD

Britt (Still River)

Canopies were erected at the main and rear entrances to prevent icing of the steps. A chlorinator and filter were installed in the new water system.

Burks Falls

A new Addition was constructed at this Detachment Building to provide a radio room, washrooms, two offices on the ground floor and a general office in the basement.

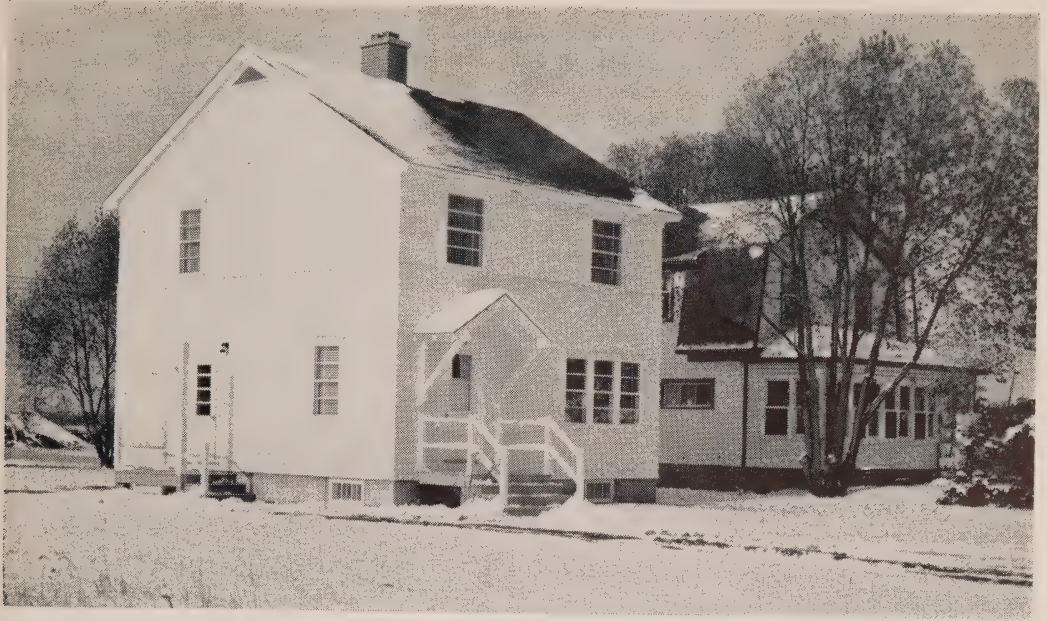
The interiors of the constable's residence and the Magistrate's hearing room, located in the Detachment Building, were redecorated.

Cochrane

Construction of two residences to provide living accommodation for the personnel of the Ontario Provincial Police was completed.

Dryden

Construction of two residences for the Ontario Provincial Police personnel is substantially complete.



A View of the New Residence
ONTARIO PROVINCIAL POLICE
COCHRANE

Elk Lake

Renovation work was carried out to the septic tank and the tile bed.

Englehart

A residence to provide living accommodation for the Ontario Provincial Police personnel, and a two-car garage, were constructed at this Detachment Office.

Essex

Construction of five standard type residences for the Ontario Provincial Police personnel was approximately 65% completed.

Geraldton

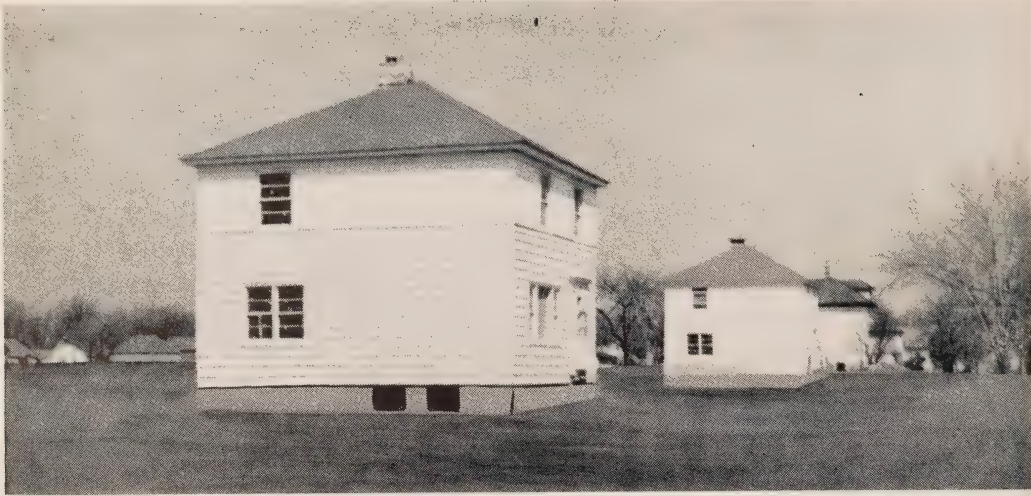
A two-car garage was constructed.

Gogama

A new septic tank and tile bed were installed at this Detachment Office.

Haileybury

Construction of three residences to provide living accommodation for the Ontario Provincial Police personnel was completed.



A View Showing Progress of Construction
ONTARIO PROVINCIAL POLICE RESIDENCES
ESSEX

Hearst

Construction of two residences to provide living accommodation for the Ontario Provincial Police personnel is substantially complete.

An addition is being constructed to the Detachment Building to provide office space, vault accommodation, also public and private wash-room facilities. A new three-car garage is being erected.

Hornepayne

A new one-car garage was constructed. An oil burning unit was installed in the Detachment Building.

Hudson

An oil burner and a fuel oil tank were installed in the residence.

Ignace

Construction of a Detachment Building, comprising an office, court room, detention cell block and attached residence, together with an additional separate residence and a three-car garage, is nearing completion.

Kapuskasing

Construction of two residences to provide living accommodation for the Ontario Provincial Police personnel is substantially complete.

Little Current

The interior and exterior of the residence were painted. Landscaping and grading work was carried out, and a new fence was erected.



A View of Ontario Provincial Police Detachment Building
IGNACE

London

A new heating system was installed. The verandah was glassed in to provide additional office space. New storm sash was installed. A new well was drilled.

Matheson

Construction of a new residence to provide living quarters for the Ontario Provincial Police personnel was completed.

Mattawa

A residence was constructed to provide living quarters for the Ontario Provincial Police personnel.

Nakina

A two-car garage was erected.

Concrete sidewalks were constructed.

Nipigon

Construction of a new residence and a three-car garage is under way.



A View of the New Ontario Provincial Police Residence
MATHESON

North Bay

Alterations to the present Detachment Building to provide a District Headquarters for the Ontario Provincial Police are well under way.

A residence was constructed for the Ontario Provincial Police personnel.

Construction of a boathouse to accommodate the Ontario Provincial Police launch is approximately 75% complete.

Oakville

A new hot water storage tank was installed to replace the defective tank.

The corporal's residence was waterproofed and a drainage system was installed.

Ottawa

A new forced warm air oil fired unit was installed.



A View of New Residences for Ontario Provincial Police
PORT ARTHUR

Pembroke

Landscaping work was carried out and a two-car parking lot was provided at the rear of the office.

Perth

A new heating system was installed.

Garage facilities were improved and the parking area was paved.

Port Arthur

Four three-bedroom frame residences were constructed.

Port Credit

Repairs were carried out to the heating system.

Sault Ste. Marie

Two standard designed residences were constructed.

Sebringville

A new pumping system was installed in the well to secure a better water supply.

The front porch was closed in and repairs were made to the eavestroughs and windows.

Sharbot Lake

A residence was purchased to provide living quarters and office accommodation for the constable, and included the installation of a pumping unit and pressure system at this newly acquired residence.



A View of Standard Plan Residence with Office and Attached Garage
ONTARIO PROVINCIAL POLICE
SMOOTH ROCK FALLS

Simcoe

New sidewalks were constructed. The old fence was extended 100' to the westerly limits of the property and grading work was carried out.

A septic tank was installed.

Sioux Lookout

Construction of two residences is substantially complete.

A new hot water tank was installed in the existing Detachment Building. A stoker was also installed.

Smooth Rock Falls

A standard residence with office and an attached one-car garage was constructed.

South River

The exterior of the residence was painted.

Sturgeon Falls

The grounds at the new residence were landscaped.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Sudbury

The living quarters located on the second floor of this Detachment Building were converted to office space to take care of additional administrative work in this District.

Temagami

An office extension was constructed at the easterly side of the Detachment Building.

Tillsonburg

Landscaping work was carried out.

Timmins

The construction of four Ontario Provincial Police residences, as referred to in the previous year's Report, is now complete.

DISTRICT BUILDINGS

Cochrane North

Cochrane

Defective steam and return lines were renewed at the Court House.

Kenora

Kenora

The Judges' retiring room was completely renovated. Special plumbing fixtures and electrical services were installed in the photographic room provided for the use of the Ontario Provincial Police located in the Court House.

Muskoka

Bracebridge

Construction of the new one-storey Registry Office Building as mentioned in the previous year's Report, was completed.

Alterations were made to a storeroom at the Court House to provide office accommodation for the Probation Officer.

New furniture and shelving were installed in the Judges' Chambers.

Nipissing

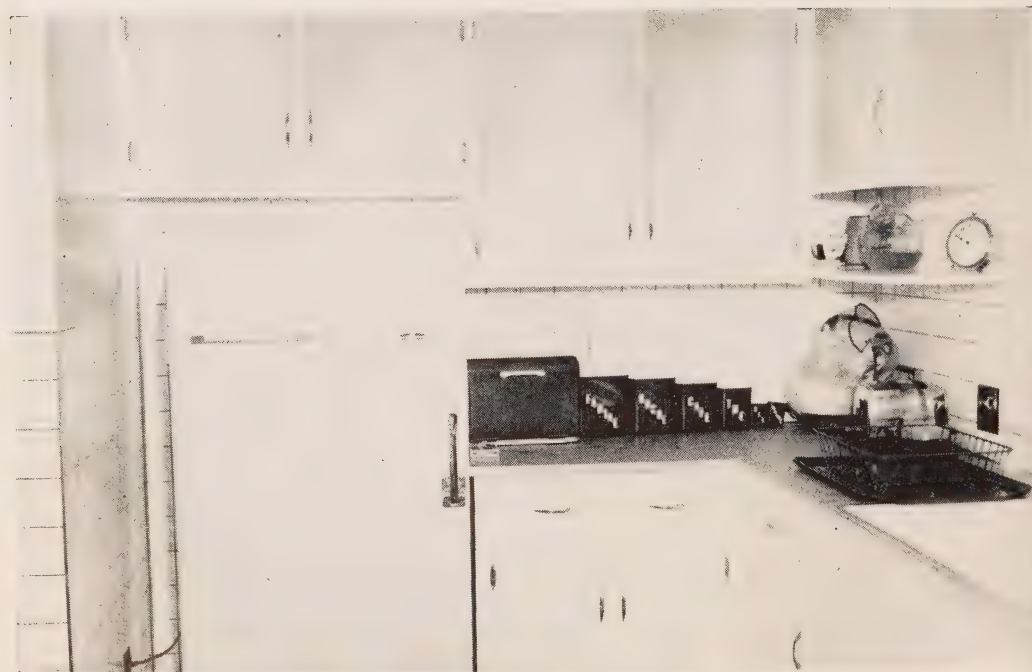
North Bay

Oak shelving was installed in the Judges' library.

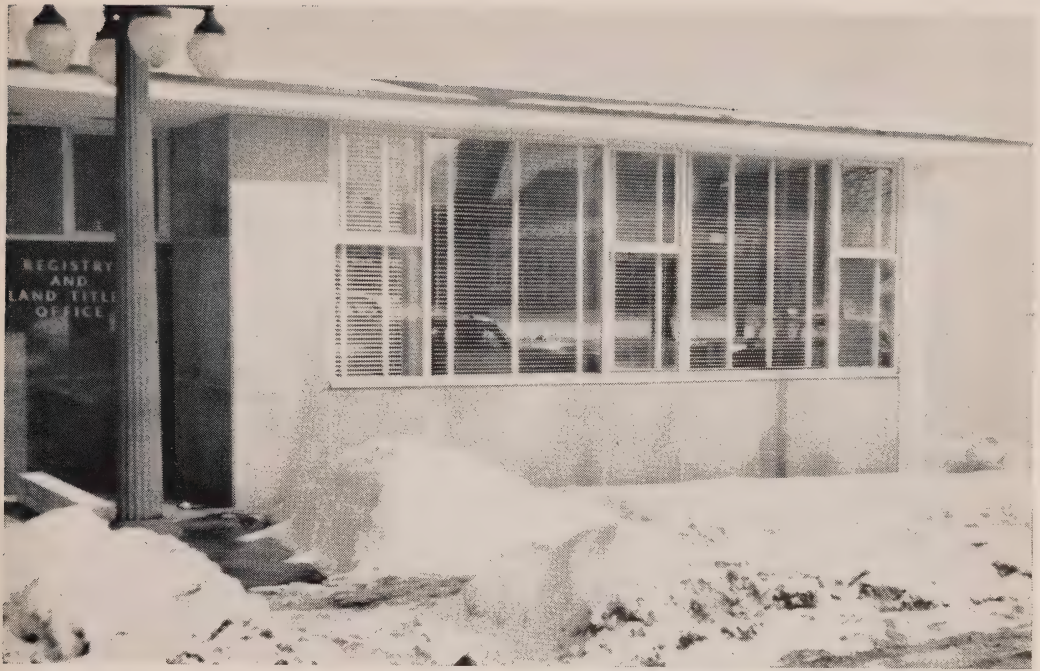
General repairs and maintenance work was carried out.



View of a Standard Plan Residence
ONTARIO PROVINCIAL POLICE
TIMMINS



A Sectional View of Kitchen in Residence
ONTARIO PROVINCIAL POLICE
TIMMINS



A View of New Registry Office Building
BRACEBRIDGE

Sault Ste. Marie

Sault Ste. Marie

Linoleum was laid in the corridors and offices.

New locks were installed on the office doors.

The interior and exterior of the building were painted.

Emergency repairs were carried out to No. 1 Boiler.

Sudbury

Sudbury

The rear entrance vestibule at the Court House was remodelled, and new concrete steps were constructed from the front entrance to the street. Driveways were paved at the front and westerly side, and a new flagpole was erected. The grounds were landscaped and a parking lot was provided at the rear of the Court House.

Complete remodelling of the Registry Office building including the construction of an addition to provide increased office accommodation, and additional storage space for filing legal documents was completed.

Temiskaming

Haileybury

Renovation of the electrical services at the District Court House is now substantially completed.

New fluorescent lighting fixtures were installed in the Registry Office.

Linoleum was laid in the Ontario Provincial Police offices.

Thunder Bay

Fort William

Electrical power services were increased to provide power for the operation of the photostatic machine.

Necessary plumbing repairs were carried out.

Port Arthur

The Sheriff's office was remodelled.

Photographic rooms, complete with special plumbing fixtures and electrical services, were provided in the Court House.

For the
DEPARTMENT OF EDUCATION

Ontario School for the Deaf, Belleville

Construction of a recreation room in the Girls' Residence was completed. Increased washroom facilities were provided in the Boys' Residence. The exterior woodwork of the Main Building was painted. Complete renovation of the heating system is well under way. The roads and driveways on the school grounds were resurfaced.

In compliance with the Fire Marshal's recommendations a considerable amount of fire protection work was carried out at the various buildings.

General maintenance and repair work was carried out wherever required during this fiscal year.

Ontario School for the Blind, Brantford

In accordance with the Fire Marshal's Report extensive fire precautionary measures were carried out. The eavestroughing on the Main Building was replaced. The exteriors of all buildings were painted.

New street lighting was installed throughout the grounds and lighted stone piers were designed and placed to mark the main entrance. Due to the increased water pressure in Brantford high pressure reducing valves were installed in all buildings.

Plumbing and heating repairs were carried out in the boiler room.

Rural Youth Training Centre, Cayuga

The Mechanics Building was renovated and included the following work being carried out:

The old wooden floors were removed and replaced with concrete floors.

A mole drainage system was installed, and the roof was repaired.

Provincial Institute of Textiles, Hamilton

Construction of the new Addition adjoining the existing Main Building was fully completed and turned over to the Department of Education during this fiscal year.

The interior and exterior of the Main Building were painted.

Renovation of the air conditioning unit was completed. The masonry was repointed. A fifteen-year bonded roof was installed. A new fence was erected and the roadway and parking area were paved.

Teachers' College, Hamilton (Temporary Locations)

As previously mentioned the main school building was destroyed by fire and temporary quarters were secured at Zion and St. George's Churches. During this fiscal year additional accommodation was secured at Erskine Church and the following work was carried out:

Fluorescent electrical fixtures were installed at the Erskine Church, and a partition was installed in the basement of this church to provide an additional classroom.

A radiator was installed in the caretaker's room at Zion Church.

Teachers' College, London

Renovation of the Home Economics Room was fully completed. Repointing of stone and brickwork on the tower was carried out.

In accordance with the Fire Marshal's Report and recommendations the fire escapes were repaired.

Ontario Athletic Camp, Longford Mills

A new water system was installed.

Teachers' College, North Bay

Revisions were made to the heating system and included the installation of a new stoker. Electrical alterations and installations are under way including the installation of new fluorescent lighting fixtures.

Teachers' College, Ottawa

In accordance with the Fire Marshal's recommendations new steel stairs were installed at each end of the front corridor. Renewal of deteriorated wiring is continuing and the installation of a fire alarm system is well under way.

Teachers' College, Peterborough

New washroom facilities were provided for the male and female staff. Alterations and repairs were made to the water main in the Main Building.

A hoist was installed in the boiler room for the removal of ashes.

In accordance with the Fire Marshal's recommendations work is proceeding to enclose the open stairways and insulate the doors and frames.

Teachers' College, Stratford

Replacement of all deteriorated wiring is underway. Considerable roof repair work was carried out. New brickwork was installed over the front entrance including the installation of new eavestroughs. The stairwells were fireproofed and additional support added to the main staircase.

Deteriorated water piping in the basement was replaced. A new portable type incinerator was installed in the boiler room.



A View Showing Progress of Construction
(NEW) TEACHERS' COLLEGE
TORONTO

Teachers' College, Toronto (Pape Avenue)

Major repairs to the ventilating system were carried out. Doors and windows were repaired. A new water main was installed.

Teachers' College, Toronto (Carlaw Avenue)

Work commenced on the construction of this new Teachers' College on March 29th, 1954.

This building is a modern two-storey structure of brick and steel construction with the exterior walls of all classrooms of extruded aluminum, and with windows of structural and heat-resistant glass extending from floor to roof level.

The first floor of this building contains seven classrooms, general offices with washroom accommodation, a fully equipped kitchen, a serving area and cafeteria, an auditorium with a seating capacity for six hundred persons and a gymnasium with a gallery.

The second floor of the building contains fourteen classrooms with adjoining offices, a library and a reading room and also a joint common room with a snack bar.

It is expected this building will be ready for the commencement of classes in September 1955.

For The

DEPARTMENT OF HEALTH

Ontario Hospital, Aurora

The tile bed for the sanitary sewage disposal fields and laundry system was reconstructed. A coal storage shed was erected. Construction of a new one-storey addition to the existing stores building is under way.

Ontario Hospital, Brockville

Construction of three male and three female Cottage Additions were completed.

In the basement of each Cottage a patients' dining room, a food servery and a dishwashing room with all modern equipment are provided; and on the first and second floors the patients' wards and day rooms are located.

A new Service Wing, comprising a bake shop, kitchen, stores section, pasteurizing plant, butcher shop and new mechanical refrigeration services for food storage, was substantially completed.

The area previously occupied by the old kitchen is being renovated and fireproofed and on the first and second floors new patients' dining rooms with food servery and dishwashing rooms will be provided. The third floor in this area will provide a modern operating suite.

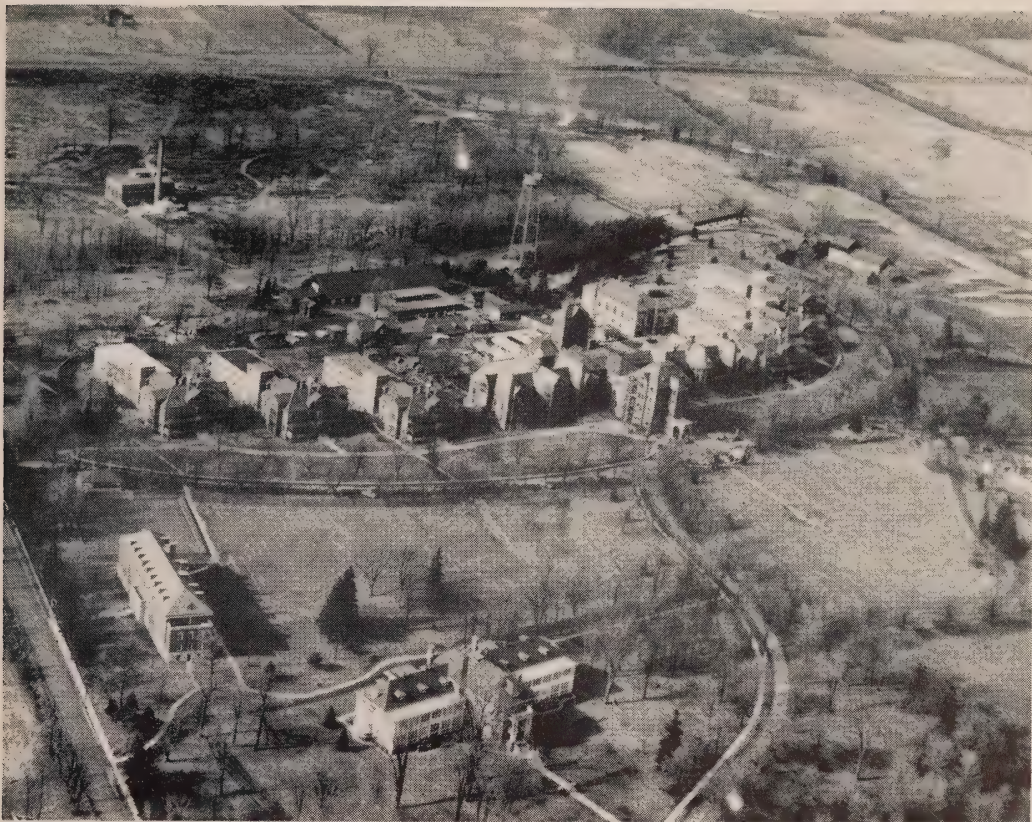
A new modern Incinerator Building was constructed.

Construction of an extension to the Laundry to accommodate additional machinery necessitated by the expansion of this Institution is substantially complete.

Two new ward additions were erected, providing a basement for storage purposes and two floors for patients' accommodation. These new buildings are located between the Main Building and Cottage "A" on the female side and the Main Building and Cottage "D" on the male side, and are connected to each building. These buildings replace the old one-storey solariums which previously accommodated sixteen beds each or a total of 32 beds. It is expected that these buildings will be occupied in April, 1955, and will provide accommodation for 140 patients.

Two sections of the Main Building, male side, and two sections of the Main Building, female side, were raised one storey to provide for 32 additional beds, and new fireproof roofs were constructed. This section is approximately 85% complete.

Fireproofing and remodelling of two existing patients' Cottages was undertaken, namely Cottage "A", female side, and Cottage "D", male side. This necessitated the removal of wooden floors and joists and replacing with structural steel and precast concrete slabs for floors and the second floor ceiling, laying of terrazzo floors and base, replastering, installation of complete new electrical services, new ceiling radiant heating and new plumbing services.



An Aerial View Showing Various Buildings
ONTARIO HOSPITAL, BROCKVILLE

It is expected male Cottage "D" will be ready for patients' occupancy in May, 1955, and female Cottage "A" in June, 1955.

Complete fireproofing and remodelling work was also carried out on the four floors of the Administration Section at this Institution.

Ontario Hospital, Cobourg

In accordance with the Fire Marshal's Report the basement below Wards 3, 4, 5 and 6 was insulated. Washroom facilities were extended in Wards 3, 4, 5 and 6. Tile floors were installed in all washrooms, replacing the existing mastic floors.

Considerable interior painting was done in the Main Building.

The ceilings of the Laundry and Amusement Hall damaged by fire were repaired. A new frame Addition was added to the Laundry Building to provide accommodation for hot water storage tanks.

Renovations to the plumbing and heating systems are continuing.



A View Showing New Cottage Additions
ONTARIO HOSPITAL, BROCKVILLE

Ontario Hospital, Concord

A new frame building was constructed for laboratory purposes.

Ontario Hospital, Hamilton

East House

The brickwork was repointed. A new 6" steam main was installed leading from the boiler house to this building to increase the power supply. Supply and return lines were installed leading to the Infirmary.

Farm Buildings

New roofs were installed on the Stone House and the Chief Attendant's residence, and essential repairs were made to the roofs and eavestroughs of the various farm buildings. New fire hose and reels were installed in the cattle barn.

Infirmary Building

The old type radiators were replaced by new convactor radiators to eliminate the danger of patients being burned. A vacuum type pump was installed in the Operating Room. A transformer and switch room was built at the rear of this building. Exit lights were installed where required.

Laundry Building

In compliance with the Fire Marshal's Report a new exterior Fire Escape was installed to provide a secondary exit.



A View Showing Progress of Construction of the New Service Wing
ONTARIO HOSPITAL, BROCKVILLE

Main Building

Renovation work was carried out to the exterior of this building and included painting and repointing of all brickwork. New standpipes and hose reels were installed. Tile floors were installed in the patients' Small Rooms. Considerable areas were replastered. A new ventilating system was installed over the bake ovens. I-beams were installed throughout the entire basement to carry all steam and water services. A new transformer and switch room was built.

Mortuary Building

The construction of a new Mortuary Building located at the rear of the Infirmary is approximately 80% complete.

Orchard House

The brickwork was repointed. Construction of an Addition to provide washroom facilities for male and female patients is progressing. A transformer and switch room was constructed. The downpipes were renewed.

Pines Building

The double-deck verandah was repaired and new stairs were constructed at each floor of the verandah. Gates were provided in the grilles at both the first and second floor levels to comply with the Fire Marshal's Report.

Power House

Considerable repair work was carried out to Boilers No. 1, 2, 3 and 4. The 8" water mains leading from the reservoirs to the pumps in the pump room were renewed. The steam driven electrical generator in the switch room was removed and some electrical repairs were carried out. The old pump in the compressor room was repaired.

General

Conversion of the electrical services from 25 to 60 cycle is well under way and includes the elimination of all overhead lines. A series of underground manholes with connecting ducts, encased in concrete, were installed connecting the secondary transformer and switch rooms. A considerable amount of deteriorated wiring is being renewed throughout the various buildings.

Ontario Hospital, Kingston

Fireproofing of Wards 6, 7 and 8 was completed and included the installation of terrazzo floors, new washrooms, new steam mains and radiators, complete new electrical wiring, new casement windows and redecorating throughout.

Steel stairways were installed and improvements were made to the circular stone stairways. This work completes the rebuilding of Wards 1 to 8 inclusive.

The interior of the Auditorium was stripped and the easterly and westerly centre support walls were removed and rebuilt, and steel and concrete precast slabs were laid into position. Temporary ceilings were installed on the ground floor of Ward 9 and this area was completely stripped.

Considerable plumbing, heating and electrical insulation and renovation work was carried out during this fiscal year.

Ontario Hospital, Langstaff

A building of frame construction was erected over the septic tanks and filter rooms. Two root houses were rebuilt. General maintenance repairs were carried out.

Plumbing repairs were carried out in the Main Building. A new return tank and return lines were installed in the Boiler Room.

Ontario Hospital, London

Complete renovations and modernization of the Food Service Centre and facilities commenced in January, 1955, and is approximately 50% completed. This centre, which is located on the first floor of the Main Building will provide for the storage, preparation and service of all food for the entire Institution and will consist of a modern kitchen, vegetable storage and preparation room, necessary refrigeration, a bread bakery, flour storage and a pastry department. On the second floor above the kitchen a staff dining room will be located complete with servery. In order to provide temporary food service facilities during these alterations the old Cannery was renovated and a diet kitchen was constructed in the women's dining room ward on the first floor of the Main Building.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1935

A new Pasteurizing and Cold Storage Plant was added to the Stores Building. A vegetable shed was built. Construction of a brick and concrete root house and granary is approximately 60% complete.

The interior of the Amusement Hall was redecorated.

Eavestroughs and downspouts were installed in a number of the buildings. Several chimneys were repaired and repointed. A new grounds lighting system was installed. Deteriorated electric wiring was renewed in various buildings. The brick walls around the detention area at the Main Building, Men's Section, were repaired. Approximately 2½ miles of roadway in the hospital grounds were resurfaced and parking lots were provided.

Ontario Hospital, New Toronto

Two new machines were installed in the Laundry Building. A second diesel generator stand-by unit was installed to provide auxiliary power in the event of a power failure. Installation of a fire alarm system is under way. The concrete retaining wall along the waterfront at the hospital grounds was repaired.

Considerable plumbing and electrical repairs were carried out.

Ontario Hospital, North Bay

A site comprising 160 acres was acquired at Cooks Mills located on Highway No. 11 approximately six miles from North Bay, and work is now under way for the construction of a 1,200-bed hospital.

Ontario Hospital, Orillia

Dormitory Group and Reception Building

The erection of this group of buildings of fire-resistant construction, comprising six dormitories and a Visitors' Reception Building, was substantially completed during this fiscal year.

These dormitories provide accommodation for 300 boys and girls and are provided with the most modern equipment for the care of patients.

The Reception Building is joined to these buildings by a connecting corridor and it may be mentioned space has been provided on the ground floor for doctors' and supervisors' offices. A visitors' waiting room; an X-ray suite, consisting of an X-ray room, a control room, and also a dark room for developing X-ray films; and public washroom facilities have been provided for men and women.

In the basement of this building locker accommodation and storage facilities have been provided.

Isolation Hospital Unit

The erection of this new Hospital Unit of fire-resistant construction, similar in design to the Dormitory Group and Reception Building, was completed during this fiscal year. This building comprises the Isolation Hospital and a Laboratory Wing.

At the Isolation Hospital the ground floor is divided into Boys' and Girls' Sections, the one being the exact duplicate of the other, to provide bed accommodation for 52 patients.

In the centre of the building dividing the Boys' and Girls' Sections from each other an elevator has been installed, and space provided for a doctors' office and dressing room, a pantry equipped with a range, refrigerator, cupboards, sink, etc., for the preparation of special diets, and a sterilizing room.

Each section contains the following accommodation: a nurses' station with washroom and a medicine room provided, a utility room, a linen room, a visitors' room and a janitors' room.

In the basement of this building the following rooms have been provided: locker rooms with washroom facilities, an autopsy room, a disinfecting and receiving room, a transformer room, an electric switchboard room, a fan room, a janitors' room, and public washroom facilities.

The Laboratory wing is joined to this building by a connecting corridor and it may be mentioned this wing is completely equipped as a laboratory department, comprising a general office, a director's office, four laboratory rooms, a stock room, and also male and female washroom facilities.

This building is connected to the existing tunnel system in order that food may be transferred from the main central kitchen.

General

During this fiscal year considerable fireproofing, remodelling and repair work was carried out at the existing buildings and included the following:

A new bread bake shop with an adjoining pastry bake room was provided, and it may be mentioned this bake shop is equipped with machinery of most modern design, capable of producing 900 loaves of bread each day.

The main stores and butcher shops were fireproofed and remodelled, which included the installation of a new refrigeration system for the storage of meats and perishable foods.

An extension was added to the vegetable preparation room to provide a refrigeration room for the storage of prepared vegetables.

A dining room servery was provided in Cottages "D" and "O".

Replacement of the mastic floors in the Boys' and Girls' Hospital with terrazzo is approximately $33\frac{1}{3}\%$ complete.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Ontario Hospital, Penetanguishene

New monitors were installed on the Oak Ridge Building. The kitchen in this building was completely renovated including the installation of new kitchen equipment.

A new electrical distribution station was constructed.

Construction of a new paint shop is approximately 85% complete.

The operating room, sterilizing room and the dispensary were rewired and explosion-proof fixtures installed; also static-proof linoleum was applied to the floors, including the corridor.

A new boiler is being installed in the boiler plant.

The elevated water tank at this institution was rebuilt.
Complete renovation of the electrical system is under way.

Ontario Hospital, Port Arthur

The kitchen and reception building, including Female Pavilion F-1 and Male Pavilion M-1, providing a bed capacity for 360 patients in the two pavilions and 34 in the reception building, were officially opened by the Minister of Health on May 26th, 1954.

The laundry building, including the installation of all equipment, was completed and turned over to the Department of Health on August 6th, 1954.

The power plant was fully completed and turned over to the Department of Health on December 1st, 1954.

The two additional male and female pavilions, F-2 and M-2, providing a bed capacity for 360 patients, were substantially completed and turned over to the Department of Health on March 31st, 1955.

This institution now has available accommodation for 377 male patients and 377 female patients, or a combined total of 754 patients.

Landscaping of the site and the construction of driveways was completed sufficiently to serve the present buildings now constructed at this institution.

Underground electrical conduits and manholes were constructed leading from the power house to serve all present buildings.

The Administration Building erected approximately fifteen years ago was used for several years for the accommodation of male patients in conjunction with the Ontario Hospital at Fort William. The patients were removed from this building on May 27th, 1954, and it may be mentioned that considerable renovation work was carried out to convert this building to its original intended use as an administration building for the entire institution.

Ontario Hospital, St. Thomas

Three fire hose houses were constructed at the Farm Section for fire protection purposes. Installation of two diesel generator stand-by units was completed.

Ontario Hospital School, Smiths Falls

Group "A" Buildings

All male and female wards, including dining halls, were rewired, Installation of the fire alarm system was completed.

Group "A-1" Buildings

New equipment was installed in the milk pasteurizing unit and a ventilating louvre was installed in the transformer room to comply with Hydro requirements. Food conveyors were installed, completing the equipment of the kitchen.

Group "A-2" Buildings

The areas northerly and westerly of the pavilions, in this group, were landscaped and seeded. Exhaust fans were installed in the utility rooms. Play areas were provided between the pavilions. Screen doors were installed on the exterior ramp doors.

Group "A-3" Buildings

Necessary equipment was installed in the beauty parlor, barber shop, shoe shop, furniture repair shop and the sewing room. Drapes were hung in all rooms of this group.

Group "A-4" Buildings

The areas adjacent to the power house and the laundry building were landscaped and seeded. Lockers were installed for the male and female staff in the laundry building. Tools and equipment were installed in the maintenance shops. New chemical boiler feed pumps were installed in the power house and included the installation of steam turbine emergency generators.

Group "A-5" Buildings

This group of buildings was substantially completed except for the installation of some special equipment and approximately 85% of the floor area was turned over to the Department of Health for occupancy.

Group "A-6" Buildings

Areas adjacent to this group were landscaped and seeded. A new washroom was provided at the rear of the garage building.

Group "A-8" Buildings

General construction of the nurses' residence is approximately 85% complete.

Group "A-9" Buildings

General construction of the administration building, school, auditorium and gymnasium buildings is approximately 85% complete.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

General

During this fiscal year, approximately 100 acres of farm land were cleared, for use by the Department of Health, and fencing was extended to contain most of the east, northeast, and southwest boundaries of the property. The main hospital roads were improved, and temporary roads were constructed to give access to fields under cultivation. Further improvements were made to playing fields for patients, and recreational equipment was provided in two play areas.

The renovation of an existing farmhouse to be occupied by the Department of Health farmer, was completed except for minor items, and landscaping.

Department of Public Works stores were moved into temporary storage buildings which were repaired and consolidated to accommodate stores and stores office.

Main electrical power supply lines were completed, the water meter chamber was enlarged and a new tube meter was installed. A very considerable amount of work was done by Department of Public Works personnel on the installation of new mechanical equipment in the various buildings. This included installation of water and electrical services to the farmer's house, and the root houses, repairs and waterproofing on two root houses, building of shelving and cupboards, and other interior and outside improvement and maintenance work.

Ontario Hospital, Toronto (999 Queen Street West)

Installation of a new elevator to serve the women's section at the main building is well under way. Relevelling of floors and laying of new decking and hardwood floors on Wards 1-A and 3-A, including dormitories, were fully completed. Masonry at the main building was repointed.

A building was erected for the diesel generator stand-by units and transformers.

New underground cables leading to all buildings were installed. A portion of the yard track and trestle was removed to provide for coal storage. No. 2 and No. 3 stokers were completely overhauled.

A new return line was installed leading from the new building addition to the boiler room receiver tank. New steam and return lines were installed and insulated.

New Administration and Reception Building

Construction of this addition to serve as an administration and reception unit is nearing completion. This building comprises three floors and a penthouse and is connected to the main building by a passageway located on each floor. A full area shallow basement is provided for the distribution of mechanical trade services. The building fronts on Queen Street and the main entrance is faced by an attractive sunken garden.



A View of the New Administration and Reception Building
ONTARIO HOSPITAL, TORONTO

This new unit is of fireproof reinforced construction faced with grey manganese brick trimmed with Queenston silver grey limestone. The windows are of aluminum and fitted with detention screens and ward screens of similar construction. This building contains more than 400 rooms offering various facilities and provides accommodation for 50 male and 50 female patients.

The first floor is laid out chiefly for administration purposes and the admittance of patients, and a modern lecture theatre with a film projection room for staff instruction is also provided on this floor. The second floor contains laboratories, a clinical and X-ray room, also occupational therapy rooms, and a large exercise room for the patients. The third floor contains wards, bedrooms, nurses' accommodation and a modern kitchen flanked by two dining rooms.

Access to the various floors is provided by five stairways and two modern automatic elevators. The room floors are generally terrazzo, with the corridors and clerical rooms surfaced with linoleum. Acoustic materials have been used generally throughout the building to eliminate noise disturbances. The windows in the patients' areas are glazed with armoured glass for protective purposes.

The grounds surrounding this new building are being landscaped and a parking space is being provided for visitors.

It is expected this building will be completed by the end of June, 1955.

Central Laboratory, Toronto (360 Christie Street)

A new transformer house was erected. The renewal of the power distribution system is in progress. The virus laboratory was renovated and extended.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Psychiatric Hospital, Toronto

Major repair work was carried out to the brickwork in the basement. The existing fire alarm system was connected to the municipal fire department.

Considerable plumbing, heating, and electrical repairs were completed.

Ontario Hospital, Whitby

Amusement Hall

The interior of the auditorium was painted. Five wooden fire escapes were rebuilt and painted.

Dining Hall

New asphalt tile floors were installed in Dining Hall No. 1. Extensive repairs were carried out to the tile walls in the kitchens of Dining Halls Nos. 1 and 2.

Farm Buildings

A new implement shed was built, and considerable repair work including painting of the cow barn, horse barn, and the barns at the Bond and North Asby Farms, is well under way.

Nurses' Residences

In accordance with the Fire Marshal's Report the wooden fire escape at the nurses' annex was rebuilt and painted. Metal flat roofs were installed on the balconies. Rewiring of the nurses' annex is substantially complete.

Power House

The chimney was painted and extensive mechanical services were carried out during this fiscal year.

General

Replacement of deteriorated electrical wiring and plumbing services in 16 cottages is substantially complete. General repairs were made to the sidewalks and road curbs throughout the grounds.

The obsolete heating coils in the laundry building were replaced with new unit heaters. Infirmarys Nos. 1 and 2 are being rewired.

Ontario Hospital, Woodstock

In accordance with the Fire Marshal's Report, extensive fire-proofing work was carried out at this institution. One of the larger projects was carried out at the administration building and included the removal of the secondary stairs and the installation of a new entrance leading to the main stairway. The main stairs were completely fireproofed, and included the construction of smoke barrier partitions, also the installation of metal-clad doors equipped with closers.



A View of the New Service Building
ONTARIO HOSPITAL, WOODSTOCK

Upon removal of the secondary stairs, the stairwell floor was completed at all levels, and men's and women's washroom facilities were provided in the basement and on the first floor level. All necessary fireproofing work was completed in the basements of Cottages Nos. 1 and 2, and fireproofing work is being continued in Cottages "A" and "B". Smoke barrier partitions were also installed in Cottages No. 1, "A" and "B", Epileptic Division, and all buildings of the Chest Division.

A one-storey frame building, 30' x 90', was constructed and at present provides office accommodation, stores, and a workshop area for the Department of Public Works. It may be mentioned that this building was constructed to act as a service building for the Department of Health and will be turned over for their use whenever required.

A two-unit water softener was installed in the main building of the Chest Division.

New equipment was installed in the laundry building and major alterations were carried out to the drainage system, to handle the extra flow of water from this equipment.

The smoke stack at the power house was repointed and repaired, also a feed water heater was installed. A new sanitary sewage pumping station was constructed.

The barn at the Deller Farm was repaired.

A dry well was constructed, and a new pressure system was installed at the Goble Farm.

For The

DEPARTMENT OF HIGHWAYS

Co-operation was given to the Department of Highways in the matter of preparing working drawings, specifications and sketches for new or alteration work, and in the preparation of studies for development of future projects as required. Work carried out this fiscal year was as follows:

Downsview

Central Stores Building

The details of this one-storey and two-storey wing building, constructed of reinforced concrete and faced with red brick, are as follows:

On the first floor of this building, space is provided for general storage purposes, and on the second floor space is provided for draughting, division accounts and general offices.

It may be mentioned that construction of the building is nearing completion and it is expected to be ready for occupancy by the end of May, 1955.

Office and Laboratory Building

The superstructure of this three-storey building, comprising three wings, constructed of reinforced concrete and faced with red brick, is substantially completed.

In the basement of this building space is provided for storage purposes, mechanical equipment, etc., a kitchen for the cafeteria, also the printing department of the Department of Highways.

On the first floor of this building, space is provided for a concrete laboratory, a steel laboratory, a machine shop, and moist and cold rooms for testing purposes. In addition, office space is allocated for the engineering and supervisory staff of the various research departments. Provision has been made to include a library, a cafeteria, a section for Forestry and Safety Devices Branch, a section for the Accident and Traffic Division, a large office and a conference room.



A View Showing Progress of Construction
OFFICE AND LABORATORY BUILDING
DOWNSVIEW

On the second floor of this building, space is provided for an aggregate laboratory, chemical laboratory, paint laboratory, microscope room and moist and cold rooms for testing purposes. In addition, space is provided for soils research, a field draughting room and plan checking and mapping rooms.

On the third floor of this building, space is provided for a printing room, film storage room, blueprint department, copying department, draughting and titles rooms, a room for district surveyors, and in addition space is provided for the Resources Division of the Department of Lands and Forests.

For The

DEPARTMENT OF LANDS AND FORESTS

Dorset — Forest Ranger School

Two sections of the roof on the central school building were replaced. The school yards were graded and approximately 500' of sidewalks were laid. The driveway and parking areas were covered with crushed stone and a stone retaining wall was constructed on the lake shore to prevent further erosion.

Kemptville — Hon. G. Howard Ferguson Nursery

A one-and-a-half storey residence of frame construction was erected for the Superintendent at this nursery.

Kenora — Air Services Division

New concrete sidewalks were constructed at the two pilots' residences and landscaping work was carried out.

Maple — Southern Research Station

The heating system was revised and a new oil burner was installed in the main cottage.

North Bay

Construction of a combined residence, office and garage for the radio operator is approximately 90% complete. A new pump house was constructed.

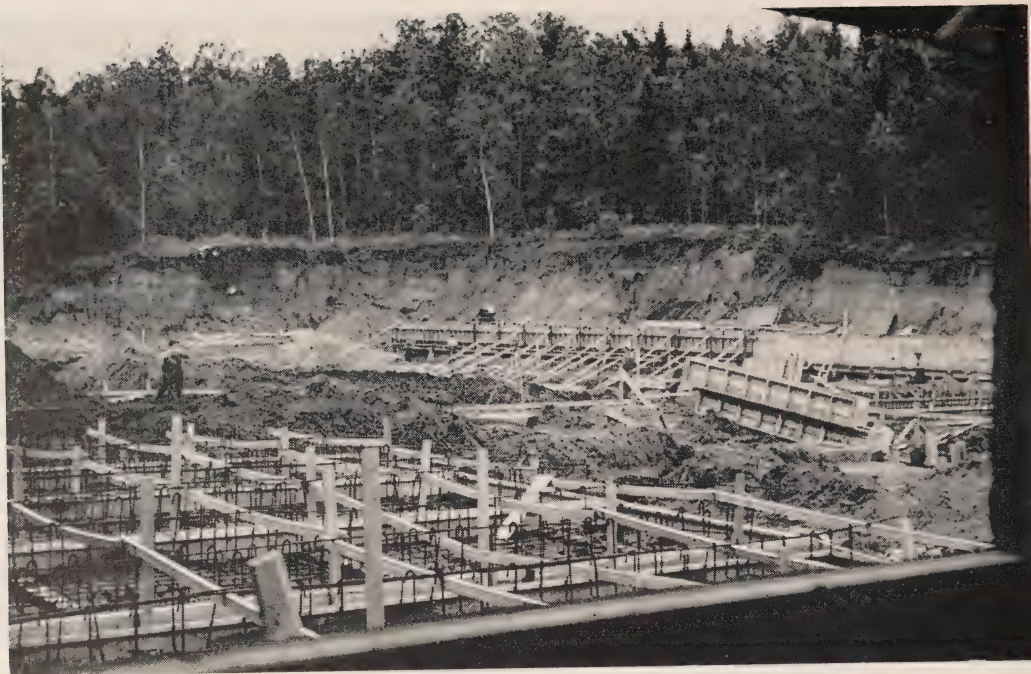
Port Arthur — Chief Ranger's Headquarters

The entire interior of the westerly half of the Chief Ranger's Headquarters Building was completely renovated. It may be mentioned that similar renovation of the easterly half of this building, at all four floor levels, is approximately 65% complete and includes the installation of a passenger elevator and a penthouse, also four large fireproof vaults, one on each floor.

Rondeau Park

Owing to severe storm damage to the wharf, the decking and railings were renewed, and included the installation of new lighting services.

A building was constructed to provide male and female washroom facilities.



Views of Construction Work at the Trout Rearing Station
SAULT STE. MARIE

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Sault Ste. Marie — Air Services Division

A new 7-ton electric hoist was erected in the hangar building to facilitate the removal of aircraft engines. Also a portion of the roof of the hangar building was repaired and the old portion of the aerodrome building was completely renewed and extended.

Sault Ste. Marie — Trout Rearing Station

Renovation work at this fish hatchery, located in the Township of Tarentorus, was substantially completed during this fiscal year.

South Bay Mouth — Fisheries Research Station

Installation of a temporary water supply system and a sewage disposal system was fully completed.

White Lake Fish Hatchery

A one-and-a-half storey frame building comprising an office, workshop and storage building, was constructed. An ice house was erected.

White River — Chief Ranger's Headquarters

A new building comprising a district office, workshop and garage was constructed.

For The
DEPARTMENT OF MINES

Cobalt — Temiskaming Testing Laboratory

A new roof was installed on the loading shed.

Haileybury — Provincial Institute of Mining

The brickwork was repointed.

For The

DEPARTMENT OF REFORM INSTITUTIONS

Bowmanville Training School for Boys

A 2" water main supplying two houses, a barn and various small farm buildings on the westerly side of the creek, was replaced by a 6" cast iron main. Installation of a new electric power line and the erection of a transformer structure to serve the westerly farm group is approximately 30% complete. Due to storm damage the roofs of several farm buildings were reshingled.

The triple dormitory building was reshingled.

A new electric hoist was installed in the boiler room for the handling of coal and ashes.

Floors were repaired in various buildings and interior painting was carried out. Venetian blinds were installed in the administration building and new fluorescent lighting fixtures were installed in all offices.

The exterior tile window sills at the Kiwanis residence were removed and replaced with concrete sills.

Ontario Reformatory, Brampton

New asphalt shingles were installed on Building No. 24.

An army hut was converted to provide four apartments for the staff. This work included the installation of plumbing, heating and electrical services.

Construction of a new boiler room addition to Building No. 26 to provide heating services to eight H-huts was completed.

Buildings Nos. 29 and 31 are being fully renovated.

Rideau Industrial Farm, Burritt's Rapids

New farm buildings comprising a dairy barn, a horse barn and a feed storage barn were constructed to replace the barn destroyed by fire in April, 1954. These buildings are of frame construction with concrete foundations and floors.

Industrial Farm, Burtch

Electrical, plumbing and heating services were installed in the new tailor shop and the concrete block rooms. A new brick incinerator was constructed. Installation of steam and return lines leading from the stores buildings to the garage group was completed.

Industrial Farm, Burwash

Twenty cottages were constructed for the personnel of this institution.

The public school at Burwash was extended to provide two additional classrooms. This school extension also includes medical and dental clinics, and cloak room and washroom facilities for the children. A fire alarm system was installed in this new addition for fire protection purposes and a new fire exit was provided in the old section of the school. The Principal's office was renovated.

Replacement of deteriorated galvanized iron piping carrying hot and cold water lines to the main cell block and various institutional buildings in Burwash Village is substantially complete.

Re-routing of the telephone line along the right of way of Highway No. 69 is approximately 70% complete.

The existing street lighting in Burwash Village was extended on account of the expansion of the built-up area of the Village, and the installation of street lighting between Camp No. 1 and Camp No. 2 is approximately 40% complete.

Installation of a new fire alarm system to serve the Village of Burwash is approximately 40% complete.

Boys' Training School, Cobourg

McCook House

New sidewalks were laid around the school building.

The old slate roof was removed and new asphalt shingles installed.

In accordance with the Fire Marshal's Report the ceiling in the boiler room was insulated.

A fire alarm system was installed, and a steel fire escape was erected.

Rowe House

A terrazzo floor was installed in the kitchen area to replace the existing tile floor.

A fire alarm system was installed.

Strathmore House

A fire alarm system is being installed.

Power House

A new cement fondu and crushed rock floor was laid in the power house, replacing the existing mastic tile floor.

Girls' Training School, Galt

Defective plumbing in the washrooms at the Beatty House was renewed.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Alteration work which included the erection of partitions was carried out at the Collingwood House.

An additional washroom was installed at the Nelson House.

Installation of mechanical ventilation at the root house was completed.

A new brick incinerator was constructed.

Ontario Reformatory, Guelph

Abattoir

Renovation of the boiler, as mentioned in the previous year's Report, was completed.

Administration Building

The deteriorated concrete cornice and parapet walls of the Tower were removed preparatory to the application of a new facing of cut stone on this building.

Dairy Building

A 550-volt transformer bank was installed to supply 60-cycle power to the surrounding buildings.

Gymnasium

Work on the erection of the new gymnasium building is approximately 75% complete.

Hospital Wing

Construction of this new hospital wing is well advanced, and it may be mentioned that a section of this building is now occupied by the Medical Staff.

Power House

Extensive alterations are being carried out and included the replacement of old defective 4" flange steam lines leading from the power house to the main building with a 6" welded high pressure steam line to meet the increased capacity demands.

Pump House

A new frame pump house was erected at the lake front and a new 6" main was installed and connected to the existing main to augment the water supply.

Segregation Cells

The erection of twelve cells located in the basement of the cell block for the purpose of restraining incorrigible prisoners at this institution, was completed.

Ontario Reformatory, Millbrook

A new reformatory for restraining incorrigible prisoners is being constructed near the Village of Millbrook.

Ontario Reformatory, Mimico

No. 1 Dormitory

This two-storey building of brick construction, comprising four dormitories and providing accommodation for thirty inmates in each dormitory, was completed early in June, 1954. This building has a full basement for storage and recreational purposes, and is heated from a central heating plant located at the brick plant at this institution.

No. 3 Dormitory

Construction of this building, identical in design to Dormitory Building No. 1, is now substantially completed and is expected to be ready for occupancy in June, 1955.

Clinic for Alcoholics

A fire exit was provided at the basement level.

The old furnace was removed and replaced by a furnace formerly in use at the Burtch Industrial Farm.

Industrial Farm, Monteith

Renovation of the existing fire alarm system is approximately 40% complete.

New street lighting was installed.

A new milk house adjoining the dairy barn, complete with pasteurizer and refrigeration units, was constructed.

Andrew Mercer Reformatory, Toronto

In compliance with the Fire Marshal's recommendations, the hot and cold water lines were insulated. Also, a new 16' double gate was constructed to permit the entrance of fire trucks to the southwest recreational area.

Extensive roof repairs to the main building were completed.

DISTRICT GAOLS

Fort Frances

New plumbing fixtures were installed in the washrooms. A circulating pump was installed to improve the heating system in the cell block. A new concrete platform and steps were erected in the gaol yard.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Haileybury

Renovation of the single-phase and three-phase electrical services was carried out.

Security screens were installed.

New prison type locks were installed.

New steel lockers were provided for the use of the guards.

An electric dishwasher was installed in the kitchen.

Vegetable bins were installed in the basement.

Washroom facilities were provided in the day corridors.

Kenora

A new security fence was erected.

A driveway was constructed around the exercise yard for the delivery of coal supplies.

North Bay

Construction of a residence to provide living accommodation for the Governor of the gaol is approximately 90% complete.

General repairs and maintenance to the plumbing, heating and electrical systems were carried out.

A steel flagpole was erected.

Parry Sound

New laundry equipment was installed.

Minor plumbing repairs were carried out.

Port Arthur

A new annunciator was installed in the general office.

The steam supply and return pipes leading to the dryer in the laundry room were relocated to correct an inadequate steam supply to this machine.

A washroom was installed in the women's laundry room.

The capacity of the electrical services was increased to take care of overloading conditions.

Sudbury

Deteriorated electrical wiring was renewed and extensive plumbing repairs were carried out.

For The
DEPARTMENT OF TRAVEL AND PUBLICITY

New buildings were completed and minor alterations, painting, landscaping, general maintenance and finishing work was carried on at the following reception centres:

Cornwall

A new concrete foundation was constructed under the verandah.

A concrete curb was constructed around the driveway and the parking area. Landscaping work was carried out.

Fort Erie (Peace Bridge)

The exterior of the building was painted.

Fort Frances

New mastic tile floors were laid in the washrooms. The signs were repainted at this reception centre.

Hawkesbury

A new concrete curb was constructed for the protection of the flower beds and the lawns.

Ivy Lea (at Thousand Islands Bridge)

The exterior of the building was painted and improvements were made to the landscaping. Two post lanterns were erected at the front entrance.

Kenora

Landscaping work was carried out. The power line leading to the reception building and the pump house was raised as a safety measure.

Middle Falls (Proposed)

Plans are being prepared for the construction of this new information bureau to commence in May, 1955.

Niagara Falls

A new travel bureau is being constructed at 1629 Falls Avenue.

Pidgeon River

The exterior of the building was painted. A new refrigerator was installed.



A View of the New Travel Bureau at Point Edward
BLUE WATER BRIDGE, SARNIA

Point Edward (Blue Water Bridge, Sarnia)

Construction of a new information bureau was completed.

St. Catharines (Homer)

The exterior of the building was painted.

Raising of this building to a concrete foundation was completed and a concrete curb was constructed at the new parking area and driveway to protect the lawns and flower beds.

Plumbing repairs were carried out.

Sault Ste. Marie

The interior of the building and the exterior signs were painted. A new electrical service was installed and a new public washroom was provided.

Windsor (at Bridge Exit)

The illuminated sign at this information bureau was repaired. Electrical and plumbing repairs were carried out.

Windsor (at Tunnel Exit)

The exterior of the building was painted and repairs were made to the plumbing.

For The

PROVINCE OF ONTARIO SAVINGS OFFICES

This Department co-operated with the Head Office management of the Ontario Savings Offices by preparing sketches, working drawings, and specifications for proposed new or alteration work and the arranging for, or execution of, this work as required at the existing Branch Offices.

The work of arranging and preparing new leases and the renewal of expiring leases, together with agreements, was carried out as directed.

The main work items carried out in the above connections were as follows:

Aylmer

Safety deposit boxes were installed at this savings office.

Brantford

Complete renovation work at this savings office was carried out.

Construction of a fireproof voucher vault was completed.

Plans are being prepared to provide a new lunch room and rest room for the staff.

Safety deposit boxes were installed.

Guelph

New quarters were leased at 74 Carden Street for the establishment of a savings office. Complete renovation work was carried out at this new location and the office opened for business on September 13th, 1954.

Hamilton (Ottawa Street)

The installation of a staff lunch room is under way. Safety deposit boxes were installed.

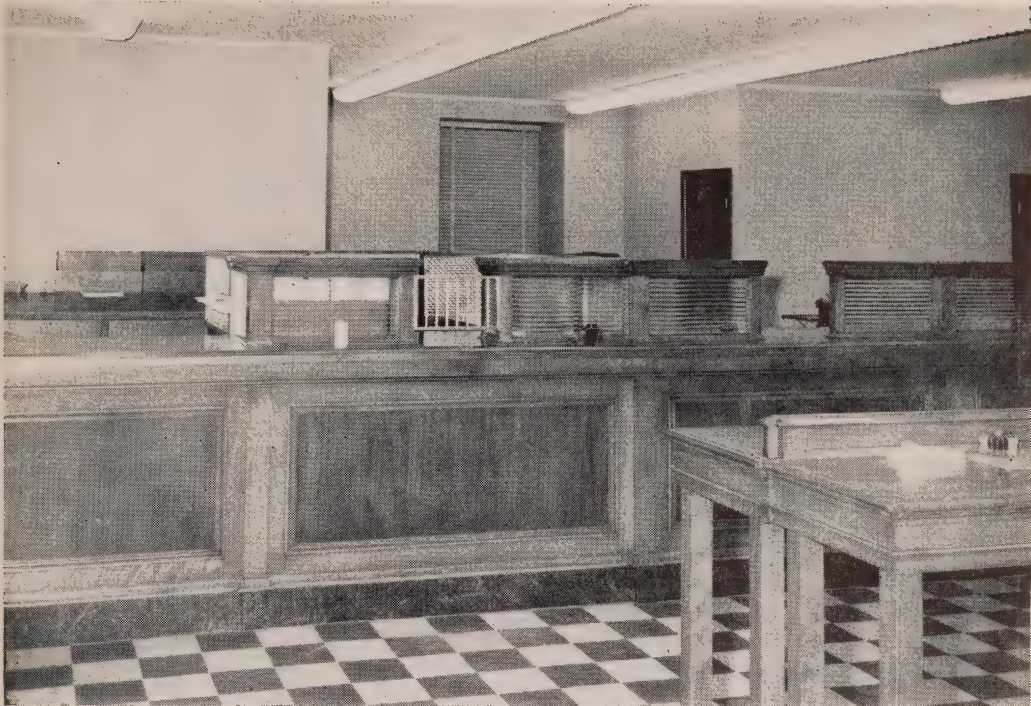
Hamilton (Pigott Building)

Complete renovations to the banking fixtures were carried out. New shelving was installed to the voucher vault in the basement. New equipment was installed in the Manager's office and the Accountant's area.

Owen Sound

One-half inch steel plate lining was added to the inner walls of the cash vault, and the existing vault door was thickened to two and a half inches for security purposes.

Plans are being prepared for the installation of a second teller's cage.



Interior View of the New Ontario Savings Office
GUELPH

St. Catharines

Sketch plans are being prepared in respect to the proposed changes to the present fixtures and modernization of the banking room.

St. Marys

Safety deposit boxes were installed.

Seaforth

Safety deposit boxes were installed.

Toronto (Bay and Adelaide Branch)

Four nests of safety deposit boxes were installed at this savings office.

Walkerton

One-half inch steel plate lining was added to the inner walls of the cash vault, and the existing vault door was thickened to two-and-a-half inches for security purposes.

Woodstock

Complete renovation of the banking room was carried out.

For The ONTARIO GOVERNMENT EXHIBITS

Canadian National Exhibition, Toronto,
August 27th - September 11th, 1954.

ONTARIO GOVERNMENT BUILDING, EXHIBITION GROUNDS, TORONTO

Another facet of the many operations of the Department of Public Works was the preparation of the Ontario Government Building at the Canadian National Exhibition as the setting for an exhibition by the various Departments of the Government of Ontario to produce, contemporaneously with the Canadian National Exhibition, an educational exhibit to further sound public relations with the people of the Province, as well as with all other visitors to the Canadian National Exhibition, by providing information supported by instructive and exciting displays representative of the operational features of the various Departments of the Provincial Government.

Early in 1954 the Department of Public Works, as custodian of the Ontario Government Building at the Canadian National Exhibition grounds, allotted space, in the display area available, to each of the Departments of the Provincial Government which had previously indicated a desire to participate in this exhibition. The Department then provided the labour, material, organization and direction for the installation and maintenance of all mechanical services, stagework, backdrops, props, general and special lighting, sign work and painting throughout the whole of the building. The suite originally designed into the building for the use of the Lieutenant-Governor of the Province, and at his command for the use of visiting dignitaries, was very suitably furnished for the occasion, beautifully decorated with native and exotic plants and flowers and staffed by uniformed attendants by the Department.

The following Departments co-operated with the Department of Public Works toward the purpose of providing by opening day, through the mediums of design, form, colour and lighting, an exhibit which told in a most attractive manner the features of functions of their operation:

- Department of Agriculture
- Department of Attorney General
 - (Ontario Provincial Police Branch)
 - (Ontario Fire Marshal)
- Department of Education
- Department of Health
- Department of Highways
- Department of Labour
- Department of Lands and Forests, all Branches
- Department of Mines
- Department of Planning and Development and Ontario Northland Railway
- Department of Provincial Secretary
- Department of Provincial Treasurer
- Department of Public Welfare
- Department of Travel and Publicity

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Government sponsored organizations exhibiting included:

The Hydro-Electric Power Commission of Ontario
The Ontario Branch, Canadian Cancer Society
The Ontario Division, Canadian Red Cross Society

An outstanding feature of this exhibition was the theatre showing films provided by the following Departments: Health, Agriculture, Treasury, Highways, Lands and Forests and the Hydro Electric Power Commission of Ontario. This theatre was equipped and staffed by the Department of Public Works and was operated by representatives of the Motion Picture and Theatre Inspection Branch of the Provincial Treasurer's Department throughout the period of the Canadian National Exhibition, and was attended and enjoyed by approximately fifteen hundred people daily.

Attendance and expressed appreciation indicate that the Ontario Government Exhibit, organized by the Department of Public Works, was one of the outstanding features of the Canadian National Exhibition of 1954.

Central Canada Exhibition, Ottawa,

August 21st - 28th, 1954.

ONTARIO GOVERNMENT PARTICIPATION

As well as organizing the Ontario Government Exhibit at the Canadian National Exhibition, the Ontario Department of Public Works, at the request of the Ottawa Exhibition officials, organized a Government exhibit to form a part of the Central Canada Exhibition.

The space allotted for this show was an area approximately half of the floor space of the grandstand building at Lansdowne Park, and was apportioned to the following Departments:

Department of Agriculture
Department of Highways
Department of Lands and Forests
Department of Mines
Department of Reform Institutions

As at the Canadian National Exhibition in Toronto, the Department of Public Works supplied the installation and maintenance of all mechanical services, painting, backdrops, lighting and sign work, as the setting for the feature exhibits of the displays by the participating Departments.

Expressed appreciation by the public and the officials of the Central Canada Exhibition indicate that the exhibition put on by the Provincial Government was one of the best accepted features of the Central Canada Exhibition.

BOILER INSPECTION

The Boiler Inspection work of this Department, as in previous years, was carried out under the supervision of the officers of the Ontario Department of Public Works.

The boilers, boiler plant and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and Reformatories, the reports as referred to were sent to the Departments of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these Departments were attended to by Ontario Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS, M.R.A.I.C.,

Chief Architect.

Toronto, March 31, 1955.

REPORT OF CONSULTING SERVICES RENDERED TO ONTARIO DEPARTMENT OF HEALTH

Parliament Buildings,
Toronto, Ontario,
March 31st, 1955.

To:

Mr. George N. Williams,
Deputy Minister and Chief Architect,
Department of Public Works.

I have rendered the following services to the Ontario Department of Health:

1. As a member of the Inter-Departmental Committee on Hospitals; attended meetings at which applications for Capital Grants for new construction under the terms of the Public Hospitals Act are considered and recommendations made, as well as other items under the terms of reference with which this Committee functions.
2. Studied and reviewed plans of proposed new General Hospitals and Sanatoria or additions thereto, submitted by their Architects, with particular reference to the provision of proper working conditions, services and patient accommodation as well as the safety and comfort of the patients, and
 - (a) Conferred with officers of the Department of Health and the Architects or their representatives retained by the Hospital, to discuss the plans and make recommendations for revisions subject to which approval would be recommended;
 - (b) Prepared reports to the Department of Health recommending approval either subject to or without revisions of the proposals submitted.
3. Visited General Hospitals and Sanatoria, usually with one or two officials of the Department of Health and met with the members of the Hospital Boards and their Architects to discuss and make recommendations concerning the planning of the proposed alterations and additions and other related problems.
4. Visited Private Hospitals and made reports to the Department of Health so that final approval might be recommended for issuance of a Private Hospital License.

The following is a list of the Institutions concerned and the action taken in each case:

GENERAL HOSPITALS

Belleville

General Hospital

The plans for two new additions to this hospital were reviewed in relation to existing building and, after revisions, were recommended for final approval, together with a Bed Certification Schedule showing total patient accommodation, when completed.

Blind River

St. Joseph's Hospital

Plans of a proposed addition to this hospital, together with several revisions, were made and final approval was not recommended until further alterations in the plans were adopted, with particular reference to the relation of Obstetrical and Surgical Services, as well as other Services.

Brantford

General Hospital

Sketch plans of proposed additions, i.e. Wings A and B, were submitted, and after certain recommendations, further changes were made, providing for an additional floor level on the West Wing.

St. Joseph's Hospital

Plans for this new hospital were reviewed and revised plans were later submitted which, subject to further revisions to the utility rooms and recommendations with regard to minor changes in the nurseries, would be recommended for final approval.

Carleton Place

Memorial Hospital

At the request of the Department of Health, Patient Accommodation Schedule was prepared, showing the maximum bed accommodation.

Chapleau

Lady Minto Hospital

After conference with the Architect, at which recommendations were made for revision of the plans, revised plans were submitted, and again certain recommendations were made for further revisions, but these were not to be mandatory owing to lack of funds, and the plans thus finally submitted could be approved. A Patient Accommodation Schedule showing maximum bed capacity provided on these plans was prepared and submitted to the Department of Health.

Chatham

Public General Hospital

Revised plans were submitted in accordance with recommendations made in the previous year and, after reviewing these plans, further recommendations were made to be incorporated before final approval. Further revised plans were again submitted, representing Scheme 2, in which only the first and second floors are being fully completed, and upon which recommendations were again made for further revisions.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Clinton Public Hospital

Plans for a Nurses' Residence were submitted to provide for 19 nurses' beds, a living room-bedroom suite for the Superintendent and the Assistant Superintendent, making a total bed capacity of 21. Subject to minor revisions, the plans were recommended for approval.

Cochrane Lady Minto Hospital

Conferences were held with the Architect, members of the Board and officials of the Department of Health, at which an understanding was arrived at whereby all recommendations would be cleared up and final approval could be recommended.

These plans provided for a large new one storey addition, together with certain alterations in the existing building, so that as modern as possible working conditions and services can be provided. A Bed Certification Schedule was prepared, showing the total maximum number of beds.

Collingwood General and Marine Hospital

Plans for a proposed addition to this hospital were submitted, and, after review, revisions were recommended, as well as a conference with the Architect which was later held. At this conference, final agreement was reached as to revisions to be made and the plans to be re-submitted.

Cornwall General Hospital

A sketch plan was submitted of the second floor of this hospital and certain changes were recommended and were indicated on the plans, together with remarks concerning the enclosing of the Solarium on the East end of the South Wing on two floors.

Hotel Dieu Hospital

Prints of the second floor, showing the location of the two proposed Detention Rooms, were submitted. Certain recommendations were made with respect to the specifications for these rooms and, subject to these being incorporated in the drawings and specifications, approval was recommended.

Dryden District General Hospital

Plans were submitted for a new hospital building and a nurses' residence.

A preliminary conference was held with the Architects to discuss the plans for both of the above buildings, after which revised sketch plans of the hospital were submitted, upon which a memorandum was prepared containing recommendations for revisions.

After a further conference with the Architects, at which revisions were discussed, further revised sketch plans of the hospital were submitted and reviewed, and still further revisions were recommended and revised drawings requested accordingly. After these were submitted, they were finally recommended for approval, together with a Bed Certification Schedule showing the maximum bed accommodation permissible for the hospital.

Revised plans of the nurses' residence were also submitted and finally recommended for approval, together with a Bed Accommodation Schedule.

Dunnville
Haldimand War
Memorial Hospital

Plans of alterations and additions to the existing nurses' residence were submitted and, after review and recommendations made, further sketches were submitted upon which further recommendations were made. After further submissions, recommendation was made for final approval, together with an Accommodation Schedule showing the maximum number of allowable beds.

Fergus
Groves Memorial
Hospital

Revised sketch plans were submitted for a new, approximately 56-bed Unit, and approval was recommended.

Fort Erie
Douglas Memorial
Hospital

Revised plans of existing building for proposed nurses' residence were submitted, and approval was recommended for 5 beds on the first floor and 5 beds on the second floor, making a total of 10 beds.

Fort William
McKellar General
Hospital

Certain revisions were recommended in the sketch plans submitted for the new addition, before granting final approval.

Galt
South Waterloo
Hospital

Plans were discussed at a conference with the Architects for an addition of two floors, providing 22 beds on the third floor and 23 beds on the fourth floor, making a total of 45 beds and 6 bassinets and, after further revision of the plans, these were recommended for final approval.

South Waterloo Hospital
Nurses' Residence

Plans for the nurses' residence were reviewed and revisions were recommended, in addition to fire protection requirements outlined in a former memorandum. These revisions to be incorporated in the plans before final approval.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Goderich

Alexandra Marine and
General Hospital

Sketch plans were submitted for a proposed new wing to this hospital and a number of revisions were recommended, and revised plans requested for further study before final approval, involving 31 new beds and 12 bassinets.

Haileybury

Misericordia Hospital

Sketch plans to provide for 10 new beds on the fourth floor were submitted, and revisions were recommended and revised plans, incorporating these revisions, were requested.

Plans were submitted for two outside fire escapes, extending three storeys in height. As these could not be recommended, revised plans were requested to provide fully enclosed fire stair towers to replace these fire escapes.

Hawkesbury

Notre Dame Hospital

Sketch plans were submitted of proposed alterations and additions to this hospital and revisions recommended, chiefly with respect to fire precautions. After submission of further plans, revised accordingly, these were finally recommended for approval.

St. Coeur de Marie
Hospital

Further revised plans of this hospital were reviewed and finally recommended for approval, for 44 new beds and 23 new bassinets.

Huntsville

Memorial Hospital

Conferences were held with the Architect with respect to the plans of a proposed addition to this hospital.

Iroquois Falls

General Hospital

Revised sketch plans of the first and second floors only were submitted for approval, and revisions recommended. After further revisions, tentative approval was recommended. Final approval to be withheld until working drawings were submitted.

Kenora

St. Joseph's Hospital
Addition to Nurses'
Residence

Sketch plans were reviewed and a memorandum was prepared with recommendations for revisions of the plans, and later the plans, so revised, were finally approved.

Kincardine

General Hospital

Conferences were held with the Architect with regard to the proposed addition to this hospital, at which sketch plans were discussed and revisions recommended.

Kingston
General Hospital

A conference was held with a member of the medical staff with regard to the Psychiatric Wing.

**Proposed Addition to
Nurses' Residence
(Calvin House)**

Memoranda were prepared relative to this proposed addition, in which revisions were recommended to be carried out, as well as provision for fire protection.

London
Bethesda Hospital

Conference was held with officials of the Department of Health and the Salvation Army with regard to converting the Girls' Home to a public hospital, particularly with respect to the alterations involved to provide proper accommodation and services, together with fire protection.

St. Joseph's Hospital

Memoranda were prepared with recommendations relative to North-East Addition and alterations to the Operating Room Suite on the third floor.

Midland
St. Andrew's Hospital

Revised sketch plans were finally recommended for approval. Later, on the submission of working drawings, further revisions were recommended with regard to the General Nurseries, as those shown did not conform to our former recommendations. Also, changes in the Pediatric Unit were recommended, as well as the usual precautions with regard to fire hazards, and particularly with regard to the Operating Rooms, Oxygen supply and Inflammable Liquids.

Minden
Red Cross Hospital

Plans for a proposed new small Red Cross Hospital at this location were submitted, and a memorandum was prepared with recommended changes in the planning and construction.

Missanabie
Red Cross Health
Centre

A memorandum was prepared with regard to this proposed Red Cross Health Centre, recommending certain alterations and additions, as well as provisions for all necessary precautions against fire hazards necessary in frame construction.

Mount Forest
Louise Marshall
Memorial Hospital

A memorandum was prepared, recommending a considerable number of revisions to the sketch plans submitted, and requesting that revised drawings be prepared accordingly.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Newmarket York County Hospital

Revised drawings were submitted, after a conference with the Architects, and a memorandum was prepared with further recommended revisions with respect to the basement, first and second floor plans. The third floor plans were satisfactory. Subject to these revisions, approval was recommended. The plans provide for 71 new beds which, together with 40 beds in the existing building, will make a total of 111 beds; also 2 new bassinettes in the new construction and 35 bassinettes in the existing building.

North Bay St. Joseph's Hospital

Revised sketch plans were submitted for this hospital, consisting of five floors and basement, for which certain recommendations were made for further revision before final approval could be recommended.

A conference was held with an official of the Department of Health and the Sisters of the hospital, at which the recommendations and proposed revisions were discussed.

Oakville Oakville-Trafalgar Memorial Hospital

Revised plans and working drawings were submitted for the proposed extension to this hospital, and memoranda prepared with recommendations with respect to both submissions.

Orangeville Lord Dufferin Hospital

Plans were submitted for alterations to the portion of the existing hospital which was not to be razed, with regard to which a memorandum was prepared, containing certain recommendations for revisions, before working drawings were to be proceeded with.

Oshawa General Hospital

Sketch plans were submitted relative to a new addition and revisions were recommended.

After a conference with the Architects, final revisions were agreed to, before working drawings were completed.

Ottawa Civic Hospital West Wing Extension Perley Home

Final revised sketches were submitted and approval recommended for this extension.

Sketch plans for both an addition to the hospital and a new nurses' residence were submitted, and a memorandum was prepared with recommendations concerning both.

After revised drawings were submitted, approval was recommended.

St. Vincent's Hospital	Memoranda were prepared and recommendations made with reference to: (1) Suitable fire extinguishing equipment in the new Transformer room; (2) Proposed nurses' residence by conversion of an existing dwelling, including provision of proper fire escapes.
Owen Sound General and Marine Hospital	Final approval of the plans for the proposed new addition was recommended, subject to two revisions on the basement plan and one revision on the second and fourth floor plans, together with five requirements for the necessary fire protection of the building. With the alterations to the existing hospital and the completion of the new addition, the beds provided will be as follows: Existing Building — 59 beds New Addition — 126 beds and 33 bassinettes. Sketch plans of a 4-room addition to the nurses' residence were submitted for recommendations and a memorandum was prepared outlining these, subject to which approval would be recommended.
Paris Willett Hospital Nurses' Residence	Final approval was recommended of the plans of the proposed nurses' residence, subject to certain revisions in the plans and fire precautions provided for.
Parry Sound General Hospital	Sketch plans of a proposed Detention Wing were submitted and consultation by the Architect with the Department of Health was recommended with respect to the specifications, before proceeding with revised sketch plans.
Pembroke General Hospital Nurses' Residence	Recommendations were made for the revision of the plans of the proposed nurses' residence and for submission of revised drawings, in accordance with these recommendations, for final approval.
Perth Great War Memorial Hospital	Revised sketch plans were submitted of a proposed addition to this hospital and further revisions were recommended for re-submission for tentative approval, before proceeding with the working drawings.
Pictou Prince Edward County Hospital	A meeting was held with the Architects in the office of the Director of Public and Private Hospitals, and a memorandum was recorded on file covering 16 items discussed and recommended at this meeting with reference to the planning of this hospital.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Port Arthur
General Hospital
Nurses' Residence

Revisions of the sketch plans were recommended for re-submission for final approval.

**St. Joseph's General
Hospital Nurses'
Residence**

Plans were submitted for a proposed nurses' residence and were revised in accordance with former recommendations and recommended for final approval, providing for 108 new beds.

Plans for a proposed tunnel were approved, subject to one revision.

Port Colborne
Memorial Hospital

At the request of the Department of Health, a bed count was made from the plans, which show that the total number of patients' beds provided were 105, 22 bassinettes and 19 nurses' beds.

Port Credit
South Peel Memorial
Hospital

Revised plans of this hospital were submitted and reviewed with officials of the Department of Health, the Architect, and Consultant to the Board, at which time certain revisions were recommended in the layout and planning so as to provide better working conditions, and later recommended tentative approval of further revised sketch plans, so that working drawings might be proceeded with.

Port Hope
General Hospital

Visited this hospital with the Director of Public and Private Hospitals and conferred with two members of the Board with regard to proposed addition and alterations, and later, upon submission of sketch plans, prepared a memorandum with recommendations for the revision of same.

Sarnia
General Hospital
Nurses' Residence

Sketch plans were submitted for proposed nurses' residence and a memorandum was prepared, outlining some of the revisions that should be made in the drawings and also recommending that revisions at this stage should not be undertaken until after a conference had been held by the Architect with the officials of the Department of Health concerned.

St. Joseph's Hospital

At the request of the Chief Medical Inspector of Hospitals, a memorandum was prepared to the Superintendent, regarding three problems which had arisen.

Smiths Falls
Public Hospital

Sketch plans were submitted of a proposed new addition and alterations to the existing building, and a memorandum was prepared, recommending that revisions should be made

in the plans and that they be re-submitted for final approval. In addition, a Bed Certification Sheet was prepared, showing the total number of existing beds to be 53, and in new construction — 41, making a total of 94 beds when the addition is completed, and also 16 new bassinettes.

St. Francis Hospital

Sketch plans were submitted for the proposed addition as well as the existing building, and a memorandum was prepared with recommendations for a considerable number of revisions and re-submission of the plans so revised for approval.

These sketch plans, however, did not include the second floor plan and a proposed Chronic Unit, Wing "A", which were later submitted and revisions also recommended.

**Southampton
Saugen Memorial
Hospital
Nurses' Residence**

Sketch plans of the proposed addition to the Nurses' residence were submitted and recommendations made for revisions accordingly and re-submission for final approval.

**St. Catharines
Hotel Dieu Hospital**

Bed Certification Schedule was prepared, which showed total number of adult beds in this new hospital to be 159 and bassinettes — 39.

**St. Marys
Memorial Hospital**

Replied to a memorandum from the Department of Health with regard to questions concerning minor proposed changes at this hospital.

**St. Thomas
Memorial Hospital**

Sketch plans were submitted showing proposed alterations to this building for conversion to accommodation of Chronic patients, and a memorandum was prepared recommending certain revisions. Revised drawings were accordingly submitted and recommended for approval. A Patient Accommodation Schedule was prepared which showed the maximum allowable number of Chronic beds to be 80.

**Sudbury
General Hospital**

Plans of an addition at the fifth floor level to accommodate maternity beds and cubicles were submitted, and a change in the location of emergency exits was suggested, as well as one or two other minor changes, subject to which, approval would be recommended.

Plans were also submitted for the conversion of a Solarium to a Pediatric Unit, and, subject to certain revisions being made, approval would be recommended.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Memorial Hospital	Several memoranda with suggested revisions were prepared from time to time with regard to the planning of this hospital for the Department of Health, and also after several conferences with the officials of the Department of Health and members of the Hospital Board, the plans as finally revised and submitted were recommended for approval.
Toronto Branson Hospital	<p>A set of sketch plans was originally submitted for an octagonal-shaped hospital building, four storeys and basement, and a memorandum with recommendations for revisions was forwarded to the Department of Health.</p> <p>Later, a new set of plans was submitted for an entirely different shaped building in the plan of a cross, on which recommendations were made for revisions and re-submission for consideration by the Department of Health.</p>
Doctors' Hospital	A conference was held with the Architect with regard to a proposed new addition.
East General Hospital Extension to West Wing	Sketch plans were submitted of this proposed extension, and a memorandum was prepared with recommendations for revision of the plans and re-submission for final approval.
General Hospital	<p>A large new building programme was undertaken by this hospital and plans were submitted by the Architects and discussed at meetings held with officers of the Department of Health on several occasions, and also with members of the Medical Staff of the hospital and two members of the Architect's firm, at which certain revisions were agreed upon and drawings revised accordingly. Two visits were made to the hospital during these discussions, with an officer of the Department of Health.</p> <p>Plans were also submitted relative to the alterations and enclosing of balconies in an existing building and these were approved.</p>
Lyndhurst Lodge	In reply to a memorandum submitted by the Department of Health, with revised plans of a proposed extension to this hospital, a memorandum was prepared recommending approval. This new addition will accommodate 34 new beds.

New Mount Sinai
Hospital
Nurses' Residence

Plans of this existing building were submitted for conversion to a nurses' residence and a memorandum was prepared, suggesting certain alterations and revisions. After several conferences with an officer of the hospital, the plans were finally revised and approved, particularly in reference to fire exits and fire protection.

Northwestern Hospital

Revised plans were submitted and, as the building was nearing completion, a few salient points were drawn to the attention of the Department of Health, which could be complied with without involving major structural changes.

Our Lady of Mercy
Hospital

Plans were submitted for the enclosure of verandahs on four floors to provide additional accommodation for 16 beds, and these were recommended for approval.

Queensway Hospital,
Etobicoke

Revised plans were submitted for this new hospital and meetings held with the Architects, members of the Board and officers of the Department of Health, at which the plans were discussed and recommendations for revisions made. After further revisions and submission, the drawings were finally recommended for approval, with a total bed accommodation of 147 adult beds plus 38 bassinets.

Runnymede Hospital

Plans for the proposed basement, first and second floor extension were submitted and comments were offered recommending revisions accordingly and re-submission for final approval.

Revised drawings were subsequently submitted, complying with the above changes, and these were recommended for final approval.

Salvation Army
Grace Hospital

Plans were submitted for a proposed extension to this hospital, and a memorandum was prepared with comments recommending certain revisions, before re-submission of the plans.

A visit was made to the hospital with the Architects.

Scarborough General
Hospital

A revised set of plans was submitted, showing certain changes extending the second, third and fourth floors to provide 12 additional beds on each of these floors, or a total of 36 additional beds, and these changes were recommended for approval.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Subsequently, a further revised plan of the North-East corner was submitted, main wing "B", and recommendations were made for certain minor changes, subject to which final approval was recommended.

St. Bernard's Convalescent Hospital North York

Plans of this former Convalescent Hospital for the treatment of Alcoholics were submitted by the Sisters of the Precious Blood for use as a General Hospital, and recommendations were made for revisions to these plans. Later, an inspection was made of this hospital with an officer of the Department of Health, accompanied by the Sister Superior.

After this inspection, a further memorandum was prepared, outlining the precautions which should be taken in all buildings where patients are to be accommodated, with particular reference to removing of fire hazards and the provision of fire fighting equipment, in addition to that previously recommended, due to a different class of patient occupancy.

St. Joseph's Hospital

Revised plans for the new nurses' residence were finally recommended for approval and Bed Certification Schedule was submitted, showing 165 new nurses' beds would be provided in this new construction.

Revised plans were submitted and approved of a proposed one storey addition at the sixth floor level, including a new fire stair tower from this floor to grade level, as well as supplying an alternative means of exit to the existing five floors below.

Wellesley Hospital New Cancer Hospital

A conference was held with a member of the Medical Staff, a Physicist of the Department of Health and the Architect, with regard to protection against radiation in this new building and the amount of structural shielding provided appeared to be adequate. However, attention was drawn to the necessity for automatic warning lights in rooms of occasional occupancy, such as those below the Cobalt Therapy rooms. Also, heavy motorized protective doors should have a secondary means of operation against the event of a power failure, and other items outlined in a memorandum prepared with regard to same.

Women's College Hospital

A memorandum was prepared relative to the final submission of revised drawings for the new hospital addition, which provides for approximately 169 new beds and 103 bassi-

nettes, which, together with 150 existing beds, makes a total of 319 beds and 103 bassinettes. These plans were recommended for approval.

**Uxbridge
Cottage Hospital**

Sketch plans were submitted for this proposed new hospital, and comments were made on this submission, but it was pointed out that a site plan, section and elevation would be desirable in addition to the plans, and as there were so many points to discuss, the Architect should be invited to meet with me and officers of the Department of Health so that these items might be settled before proceeding further with the plans.

**Wainfleet
Lakewood Convalescent
Hospital**

A set of sketch plans for the main lodge, sleeping cabins, infirmary, staff and domestic cabins, utility building, craft building, bathing shelter, caretaker's residence, site plan and drainage plan were submitted for comments, and a memorandum was prepared, recommending certain revisions in these drawings and, after so doing, re-submission for final approval.

Later, revisions were made to conform with these recommendations, and approval recommended.

**Wallaceburg
(Proposed) Hospital**

Conference was held with the Chairman of the Board and their Architect, before sketch plans were undertaken.

**Welland
Welland County
General Hospital**

An inspection was made of the hospital, with two officers of the Department of Health, early in the year.

Plans were submitted for Out-Patient facilities and memorandum was prepared as requested, recommending revisions and re-submission of plans, after being so revised, for final approval.

A conference was held with a member of the Medical Staff and officers of the Department of Health with regard to a proposed Health Unit.

Plans were submitted with respect to proposed alterations in the East Wing to provide new utility room, nurses' station, etc., and recommendations were made for revision of the plans, subject to which tentative approval was recommended.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Weston

Humber Memorial Hospital

Correspondence from the hospital was referred for comment with regard to fire fighting equipment for the nurses' residence, and replied to.

Revised drawings of the basement and first floor were submitted, and revisions were outlined in a memorandum, subject to which approval was recommended. A Patient Accommodation Schedule was prepared, showing the maximum number of beds allowable to be 60 and bassinettes — 61.

Plans of the nurses' residence, showing accommodation for 9 beds, were submitted and, subject to certain fire precautions and fire equipment being provided, approval was recommended.

Windsor

Metropolitan General Hospital

In response to a request for a bed count for this hospital, a Schedule was prepared showing the total number of allowable beds in the original building to be 86; total number of bassinettes — 27; total number of allowable beds in the new wing — 164.

In reviewing the plans, mention was made that certain alterations in the original building would be desirable to properly conform with Departmental requirements.

Revised drawings were submitted for a Psychiatric Wing and one or two minor revisions, together with the provision of certain fire fighting equipment, were recommended. The plans were later revised in accordance with these recommendations and re-submitted, and final approval was recommended.

Wingham

General Hospital

Conference was held with the Architect, Superintendent of the hospital, Members of the Board and officers of the Department of Health with regard to a proposed addition.

Woodstock

General Hospital

Further revised drawings of a proposed addition to this hospital were submitted and, subject to the provision of certain fire precautions and fire fighting equipment, approval was recommended.

Floor areas for which Capital Grants may be paid in relation to Auxiliary Services have been determined for the following hospitals:

Ajax	—	General Hospital
Brantford	—	St. Joseph's Hospital
Campbellford	—	Memorial Hospital
Carleton Place	—	Memorial Hospital
Cochrane	—	Lady Minto Hospital
Espanola	—	General Hospital
Exeter	—	South Huron Memorial Hospital
Fort Francis	—	La Verendyre Hospital
Fort William	—	McKellar Hospital
Galt	—	South Waterloo Hospital
Guelph	—	General Hospital
Guelph	—	St. Joseph's Hospital
Hamilton	—	General Hospital
Hawkesbury	—	Notre Dame Hospital
Hawkesbury	—	St. Coeur de Marie Hospital
Kingston	—	General Hospital
Kitchener	—	Kitchener-Waterloo Hospital
Midland	—	St. Andrew's Hospital
Ottawa	—	Civic Hospital
Ottawa	—	St. Louis de Montfort Hospital
Pembroke	—	Cottage Hospital
Penetanguishene	—	General Hospital
Peterborough	—	Civic Hospital
Port Arthur	—	General Hospital, Cancer Unit
Port Colborne	—	Memorial Hospital
Sault Ste. Marie	—	Plummer Memorial Hospital
Simcoe	—	Norfolk General Hospital
St. Catharines	—	General Hospital
St. Catharines	—	Hotel Dieu Hospital
St. Thomas	—	St. Thomas-Elgin Hospital
Toronto	—	Northwestern Hospital
Toronto	—	Queensway Hospital, Etobicoke
Toronto	—	Runnymede Hospital
Toronto	—	Western Hospital
Toronto	—	Women's College Hospital
Weston	—	Humber Memorial Hospital
Woodstock	—	General Hospital

SANATORIA

Hamilton

Mountain Sanatorium

A conference was held with officers of the Department of Health and the Superintendent, with regard to a proposed addition and removal of frame buildings.

Toronto

I.O.D.E. Preventorium

An inspection was made of this building, accompanied by the Director of Tuberculosis Prevention and the Superintendent of the hospital, with regard to improving facilities.

A further conference was held with two Members of the Board with regard to the planning of a new building on the present property and alterations and uses of existing buildings in conjunction therewith.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Vineland
Bethseda Sanatorium

A conference was held with a Member of the Board and an Officer of the Department of Health with regard to the planning of a small addition to this Sanatorium.

Weston
Toronto Sanatorium

A conference was held with the Architect with regard to a proposed new Auditorium and nurses' dining room, and connecting tunnel to the Queen Mary Building.

The plans accompanying applications to the Department of Health for new Private Hospital licences and proposed alterations and additions to existing Private Hospitals were referred to this Department for our recommendations, and the following were dealt with:

Bobcaygeon
Peters' Nursing Home

A conference was held with the Owner, with regard to a proposed addition.

Clarksburg
Hillcrest Haven

A sketch plan of an open chute as a fire escape for this proposed Private Hospital was submitted and recommendations were made with regard to this and proper fire exits, as well as the correction of existing fire hazards in the building, which should be carried out as soon as possible for the safety and comfort of the patients.

Hamilton
West Willow
Rest Home

In reply to a request from the Department of Health, a Patient Accommodation Schedule was prepared for this Private Hospital, showing a maximum bed capacity of 22 beds.

Hawkesbury
Dr. Smith's
Private Hospital

A conference was held with the Owner and Superintendent of this Private Hospital with regard to plans for a proposed addition.

Thornhill
Dr. Shouldice's
Surgery

Plans were submitted of the basement, first, second and third floors of this building, and a memorandum and Patient Accommodation Schedule were prepared, showing the maximum number of beds on the second floor to be 18. No patients were to be accommodated on the ground floor, as this was entirely for services, and the need had not yet arisen for accommodating patients on the third floor. Recommendations were made for proper exits if, as and when patients were to be accommodated on the third floor. Approval was recommended for services and patients as shown on the first two floors.

Toronto

Dr. Bateman's
Orthopaedic Hospital

After submission of floor plans, an inspection was made of this building, having in mind its proposed use as an Orthopaedic Hospital, and a memorandum was prepared outlining certain recommendations, having particular reference to providing proper exits in case of fire and fire fighting equipment, in addition to suitable layout for the class of patients to be accommodated. Plans were revised according to these recommendations and approval was recommended.

Dr. Hoyle Campbell's
Private Hospital

At the request of the Department of Health, I inspected a building at 616 Avenue Road, which was proposed to be used for a Private Hospital for Traumatic Plastic and Restorative Surgery with the prospective Owner and Operator, and verbal recommendations were given to him as to the necessary alterations and additions for the safety and comfort of the class of patients to be treated. This proposal was shortly afterwards abandoned.

A second building was inspected at 215 Victoria Street. This is a five storeys and basement building, and it was proposed to use the ground and fifth floors. A report was prepared as to the necessary alterations to provide for exits and proper fire precautions, as well as the proper planning for the type of patients to be treated, and finally revised drawings were recommended for approval.

Willowdale

Dr. E. D. Bell's Private
Hospital for Female
Alcoholics

A memorandum was prepared with respect to maintaining the stairway exit from second to first floor level fully enclosed.

All of the plans, correspondence and memoranda referred to above are on file for reference.

Respectfully submitted,

V. L. GLADMAN, B.Sc.,

Architect.

Statements
of the
Accountant
of
Public Works Department
1954-1955

Department of Public Works, Ontario,

TORONTO, March 31st, 1955

The Honourable Wm. Griesinger, M.P.P.,

Minister of Public Works.

Sir:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Government Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1955.

I have the honour to be, Sir,

Your obedient servant,

A. A. EASSON,

Chief Accountant.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

REPORT OF THE ACCOUNTANT

The following figures show the increased volume of construction accomplished this year:

EXPENDITURES

<i>Fiscal Year</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
1954-55	\$7,375,962.20	\$20,009,761.66	\$27,385,723.86
1953-54	5,297,690.87	17,962,112.88	23,259,803.75
	<hr/>	<hr/>	<hr/>
	\$2,078,271.33	\$ 2,047,648.78	\$ 4,125,920.11
Percent Increase	39.23%	11.40%	17.74%

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1st, 1954, to MARCH 31st, 1955

<i>Service</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
Main Office—Administration expenses, etc.	\$ 917,448.17	\$	\$ 917,448.17
Maintenance and Repairs—			
Government Buildings	3,830,196.77		3,830,196.77
Public Works—Maintenance	99,072.75		99,072.75
Public Works—Aids to			
Drainage	20,045.71		20,045.71
Public Buildings		19,276,199.96	19,276,199.96
Public Works		290,772.35	290,772.35
Miscellaneous	31,723.83	442,789.35	474,513.18
Statutory—Drainage Aid	698,756.94		698,756.94
Special Warrant	1,778,718.03		1,778,718.03
	<hr/>	<hr/>	<hr/>
Total Net Expenditure	\$7,375,962.20	\$20,009,761.66	\$27,385,723.86

STATEMENT OF REVENUE

Commission on telegraphs and telephones	\$ 6,018.69	\$	\$ 6,018.69
Sale of material	10,053.64		10,053.64
Rentals	91,604.83		91,604.83
Perquisites	2,185.00		2,185.00
Building equipment	958.30		958.30
Miscellaneous	8,251.48		8,251.48
Sale of property		22,311.60	22,311.60
	<hr/>	<hr/>	<hr/>
	\$119,071.94	\$ 22,311.60	\$141,383.54

A. A. EASSON,

Chief Accountant.

TORONTO,

March 31, 1955.

**STATEMENT OF EXPENDITURE, MAIN OFFICE,
MAINTENANCE REPAIRS and CONSTRUCTION of
PUBLIC BUILDINGS**

FOR FISCAL YEAR ENDING MARCH 31st, 1955

ORDINARY

<i>Service</i>	<i>Amount</i> \$	<i>Amount</i> \$
MAIN OFFICE		
Minister's salary	10,000.00	
Salaries	596,924.36	
Travelling expenses	28,087.87	
Maintenance	59,745.83	
Insurance	7,418.65	
Local Improvement taxes	14,237.68	
Unforeseen and unprovided	23,224.81	
Compensation-medical, etc., for injured workmen	45,765.54	
Cost of living bonus	84,869.85	
Unemployment Insurance stamps	47,173.58	
		917,448.17
GENERAL SUPERINTENDENCE		
Salaries	153,571.66	
Services, travelling and other expenses	31,778.71	
		185,350.37
LIEUTENANT-GOVERNOR'S APARTMENT		
Salaries	5,179.92	
Maintenance	1,657.26	
		6,837.18
LEGISLATIVE and DEPARTMENTAL BUILDINGS		
Administrative Services:		
Salaries	62,526.15	
Telephone service	180,152.96	
Typewriter inspection and repairs for all Departments	25,832.34	
Maintenance Staff:		
Salaries — permanent	\$257,549.57	
temporary	340,050.66	
casual	222,654.74	
		820,254.97
Maintenance:		
Fuel, light, gas, water and power	\$220,466.20	
Cleaning supplies, upkeep of grounds	71,524.72	
Furniture, furnishings and equipment for buildings	8,991.67	
		300,982.59

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
Repairs to Buildings:		
Salaries—Mechanical staff	196,451.31	
Repairs and alterations	297,906.62	
	<hr/>	494,357.93
		<hr/>
		\$ 1,884,106.94
Deduct rentals		3,000.00
		<hr/>
		\$ 1,881,106.94

OSGOODE HALL

Salaries — permanent	31,169.25	
temporary	27,705.96	
casual	15,533.44	
	<hr/>	74,408.65

Maintenance:

Fuel, light, water and power	8,005.90	
Furniture, furnishings, etc.	4,040.18	
Telephone service	8,980.86	
Cleaning of buildings, etc.	2,609.14	
General repairs and alterations	35,930.06	
	<hr/>	59,566.14
		<hr/>
		133,974.79

GOVERNMENT BUILDINGS

Repairs, alterations and incidentals for Departments of:

Agriculture	71,339.75	
Attorney General	48,914.89	
Education	121,236.36	
Health	563,307.72	
Lands and Forests	69,643.19	
Reform Institutions	127,717.68	
Travel and Publicity	3,458.99	
	<hr/>	1,005,618.58

ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$

Maintenance:

Salaries of Caretakers, cleaning supplies, fuel, electricity, water, repairs, etc.

Kingston	19,361.45	
London	4,710.65	
Matheson	3,428.91	
New Liskeard	2,371.70	
North Bay (Health Clinic)	104.55	
	<hr/>	29,977.26

General:

Rentals and caretaking of leased premises and expenses in connection therewith	587,331.65	
	<hr/>	617,308.91

PUBLIC WORKS

Maintenance:

Salaries — Lockmasters, Supervising Foremen, etc.	27,052.68	
Repairs to locks, dams, etc.	69,945.43	
Equipment	96.43	
Maintenance of Hawkesbury-Grenville Bridge	1,978.21	
	<hr/>	99,072.75

Salaries and expenses in connection with preparing drainage schemes and for construction, improvement or reconstruction of trunk channels for farm drainage in Northern Ontario		20,045.71
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MISCELLANEOUS

Preparing and installing exhibits for Government Departments, including costs of electric services and other expenses in connection therewith		31,723.83
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REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$

STATUTORY — Drainage Aid

Townships of:

Adelaide	12,261.85
Aldborough	300.53
Alfred	2,130.50
Anderdon	905.34
Arkona (Village of)	578.17
Ashfield	6,022.15
Bayham	1,395.07
Bosanquet	13,079.12
Brooke	21,227.67
Biddulph	5,168.07
Blandford	2,352.54
Blenheim	1,984.04
Blandshard	7,450.40
Culross	1,343.33
Colchester North	11,017.88
Camden	3,936.57
Chatham	20,176.41
Caradoc	3,709.14
Caledonia	4,101.00
Clarence	712.23
Cumberland	665.37
Cornwall	1,628.41
Dunwich	15,932.97
Dover	31,734.84
Dawn	15,699.70
Delaware	6,127.08
Downie	1,537.93
East Garafraxa	544.71
East Luther	2,614.72
East Wawanosh	1,470.56
Enniskillen	4,593.10
Euphemia	15,928.53
East Williams	2,386.62
Ekfrid	4,078.29
East Nissouri	630.88
East Oxford	2,975.25
East Zorra	1,103.06
Ellice	8,421.57
Elma	6,847.31
Essa	1,108.07
Fullarton	778.55
Finch	1,641.43
Gosfield North	1,227.28
Grey	1,505.54
Huron	2,989.34
Harris	1,022.40
Howick	1,910.17

<i>Service</i>	<i>Amount</i> ¢	<i>Amount</i> \$
Townships of:		
Hullett	4,429.64	
Harwich	8,749.84	
Howard	5,772.15	
Hibbert	1,531.50	
Hay	5,382.67	
Kinloss	3,387.01	
Kenyon	2,171.13	
Lancaster	6,942.86	
Lochiel	4,504.45	
London	18,188.83	
Lucan (Village of)	1,405.03	
Listowel (Town of)	3,556.57	
Logan	6,148.01	
Longueuil	1,590.92	
Matilda	1,274.03	
Mountain	540.63	
Malahide	6,194.92	
Maidstone	4,132.16	
Malden	2,604.12	
Mersea	13,002.98	
Morris	4,906.62	
Moore	12,930.55	
Metcalf	7,008.16	
Mosa	4,621.11	
Mornington	2,159.84	
Maryborough	1,295.24	
Minto	5,346.36	
McKillop	2,861.07	
McGillivray	7,971.13	
North Dorchester	1,217.25	
North Norwich	767.17	
North Oxford	1,086.16	
Nottawasaga	2,462.65	
Orford	8,396.69	
Osnabruck	928.96	
Pelec	633.51	
Plympton	22,586.41	
Rochester	2,879.32	
Raleigh	53,631.48	
Romney	1,000.00	
Ramsay	2,290.49	
Roxborough	5,185.44	
South Dorchester	1,398.80	
Southwold	12,375.00	
Sandwich South	18,463.08	
Sidney	10,871.36	
Stanley	2,554.83	
Stephen	4,877.81	
Sarnia	5,716.60	
Sombra	2,860.39	
South Fredericksburgh	1,832.61	
South Walsingham	470.33	

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
Townships of:		
South Norwich	2,502.59	
South Easthope	760.05	
Tilbury North	752.60	
Tilbury West	10,033.79	
Tuckersmith	12,640.98	
Turnberry	4,502.03	
Tilbury East	5,135.18	
Townsend	678.00	
Tecumseth	2,607.85	
Tiny	1,336.67	
Usborne	6,673.55	
Warwick	27,253.97	
West Nissouri	5,468.05	
West Williams	245.67	
Windham	5,936.74	
West Zorra	3,357.76	
Wallace	7,506.60	
Wellesley	2,070.23	
Wilmot	2,940.55	
Woolwich	435.52	
Willoughby	5,330.36	
West Luther	4,252.88	
Westmeath	1,719.53	
Yarmouth	7,330.82	
Zone	5,233.41	
		698,756.94
SPECIAL WARRANT		
Flood damages suffered October 15th and 16th, 1954		1,778,718.03
TOTAL ORDINARY EXPENDITURE		\$7,375,962.20

Service

\$ Amount \$ Amount

CAPITAL

PUBLIC BUILDINGS

To provide for construction of new buildings and works, purchase of lands and buildings and other expenses, including additions, alterations, equipment and extension of services to existing buildings and works

\$19,276,199.96 \$19,276,199.96

PUBLIC WORKS

Municipal Drainage, including Grants in aid thereof

6,958.25

Storage Dams and Docks

283,814.10

290,772.35

MISCELLANEOUS

Grants — Conservation Authorities:

Ausable River \$ 23,711.93

Big Creek Valley 1,728.66

Catfish Creek 7,146.53

Credit Valley 268.30

Don Valley 5,118.93

Etobicoke-Mimico 32,659.16

Ganaraska River 1,048.84

Grand River 23,602.21

Grand Valley 62,734.97

Humber Valley 16,519.17

Moira River 4,801.11

Napanee Valley 1,071.98

Neebing Valley 471.81

Rouge, Dufferin,

Highland and

Petticoat Creeks 426.19

Saugeen Valley 8,375.88

Upper Holland 946.02

Upper Thames 219,201.93

409,833.62

Aid — Remedial Works, etc.

32,955.73

442,789.35

TOTAL CAPITAL EXPENDITURE

\$20,009,761.66

SUMMARY

ORDINARY EXPENDITURE

Main Office and Maintenance and Repairs of Government Buildings

\$ 7,375,962.20

CAPITAL EXPENDITURE

Public Buildings and Public Works

20,009,761.66

\$27,385,723.86

TORONTO,
March 31, 1955.

A. A. EASSON,
Chief Accountant.

REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

(ENGINEERING)

THE HONOURABLE WM. GRIESINGER, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying Report of the Civil Engineer covering the activities of the Department of Public Works on Dams, Locks, Docks, Drainage, etc., for the fiscal year ending March 31, 1955.

Under the heading of "Remedial Works, Etc." you will note reference to the part played by this Department in rehabilitating those areas of the Province affected by Hurricane "Hazel" on October 14th and 15th, 1954.

I have the honour to be, Sir,

Your obedient servant,

J. D. MILLAR,
Deputy Minister of Public Works (Engineering)

Toronto, March 31, 1955.

REPORT OF THE ENGINEER

Parliament Buildings,
Toronto, Ontario.
March 31, 1955.

Mr. J. D. Millar,
Deputy Minister, Engineering,
Department of Public Works,

RE: CIVIL ENGINEER'S REPORT, 1954-55 DAMS, DOCKS, LOCKS, DRAINAGE, ETC.

The work performed under the supervision of the Departmental Civil Engineer during the fiscal year 1954-55 was as follows:

SUMMARY

All work was performed by day labour under the direction of Departmental Foremen and by employing local labour wherever possible, except as may be noted.

The regular maintenance of dams, docks, locks and navigable channels was carried out. Repairs were made where necessary.

One concrete dam, previously commenced, was completed; one previously commenced was continued; five concrete dams were commenced this year and were completed, except for minor finishing work on three of them, which will be done during the coming year. The reconstruction of the Port Carling Lock at Muskoka was completed. New concrete piers and a side wall were built at the entrance to the Huntsville Lock. Major repairs were effected to four concrete dams and six timber dams. These projects are all detailed below.

Much driftwood floats downstream each spring and is trapped at the dams. This makes operation of the dams difficult and also imposes an additional strain on the structures. A special effort was made this year to remove it by employing two trucks with winching equipment. Driftwood was removed from 18 dams.

Under The Provincial Aid to Drainage Act, financial aid in the total amount of \$709,343.54 was granted to 652 drainage schemes throughout the Province, and grants totalling \$7,615.05 were paid to Municipalities in aid of Municipal Drainage works. Details are set out below, under their respective headings.

Several flood relief and remedial work projects were carried out, including a special effort in connection with Hurricane "Hazel". These are described and detailed below.

DETAIL**DAMS, DOCKS, LOCKS, ETC.****Ashton Dam and Bridge, Lanark County**

A reinforced concrete dam was installed between concrete abutments of an existing highway bridge across the Jock River in the Village of Ashton. The work was carried out concurrently with the repairs to the bridge abutments, and a concrete cut-off wall was installed along the upstream side of the bridge and the dam, to prevent seepage through the lime-stone bed rock underlaying the foundation. The upstream face of the bridge abutments and the road embankment were covered with a concrete face wall which was keyed into both river banks.

The dam proper between the bridge abutments is 40 feet long and 7.5 feet high over the original river bottom. It has two sluice openings 30 inches wide and 42 inches high, and is shaped as a gravity wall with crest overflow, the crest being placed at the elevation of the regulated water level. The concrete foundation of the dam was extended further downstream as an apron for protection of the dam wall and the bridge piers against being underwashed by the discharge flow. The maximum width of the new structure, including the downstream apron, is 30 feet. Steel gates were installed in front of the sluice openings and an elevated operating deck with geared lifts was built of reinforced concrete. Access to the operating deck is provided by a steel ladder, from the highway bridge. A steel grating supported by small concrete piers was installed along the front of the gates for protection of the sluice openings from driftwood and ice.

Buck Lake Dam, Muskoka District

A reinforced concrete dam with two 14-foot sluiceways was constructed near the foot of Buck Lake for maintaining water levels in the lake during the summer season. The dam is 125 feet long and 8 feet high from the sill to the top of the deck. It holds a maximum of 6 feet of water. It is fitted with steel pipe railing around the deck and four gear winches for removing and placing stop logs.

Chiblow Lake Dam, Algoma District

A road to the dam site was built during the previous fiscal year. This year, the work of reconstructing the dam was carried out to completion. The new dam was built of reinforced concrete. The necessary bond between the concrete and the bed rock was provided along the whole length of the structure by blasting off the work surface of the rock or cutting in a cut-off wall at least one foot into solid rock. The new dam is 90 feet long, 13 feet high from the lower sill to the top of the deck and holds a maximum of ten feet of water. It has two 16-foot sluice gates, each fitted with steel chases, timber stop logs and a pair of gear winches. Steel pipe railing was installed around the deck for safety of operation.

Clyde River Dam, County of Lanark

The existing concrete dam across the Clyde River was underwashed and considerable flow of water developed under the sill of the easterly sluice gate and under the adjoining wing wall. The water in the river dropped to an unusually low level, which was unsuitable for fire protection in the village and detrimental to the fish and wild life in the area. Repairs to the dam were carried out by the Department. A carpet of gravel and earth fill was placed along the front of the underwashed portion of the dam, for stopping the leakage under the foundation. For safety of operation of the dam, a new timber deck was made of two-inch planking on ten-by-eight-inch stringers. The dam can hold a depth of about 10 feet of water.

Huntsville Locks and Dam, Muskoka District

The wall along the west side of the channel leading into the Huntsville Locks and a pier between the channel and the existing concrete dam was underwashed during the spring flood in May, 1954. A considerable flow of water developed through the underwashed section of the channel, endangering the control over the water levels on Fairy Lake, Peninsula Lake and Vernon Lake where water is stored for hydro-electric power generation. Reconstruction of the damaged structure was carried out as an emergency project.

After the control of the flow was restored by installing a temporary cofferdam across the inlet of the channel, a sill slab, two piers and 110 feet of the length of the channel wall were reconstructed in concrete. The wall is 10.5 feet high over the channel bottom and 2.5 feet thick at the top and 8 feet thick in its foundation. The inlet of the flume leading to the water wheel of the existing saw mill was also reconstructed and reshaped, so that in case the mill were closed and the mill building removed, the flume entrance could be used as an additional sluiceway and operated in the same way as the other six sluice gates of the dam. An impervious earth fill of gravel and clayish sand was placed on the channel bottom for better protection of the foundation against seepage of water. The easterly channel bank was improved with gravel fill, and grading and filling with gravel was carried out to improve the easterly bank of the river below the dam.

Lac Des Mille Lacs Dam, Thunder Bay District

The work of reconstructing the dam, that was commenced during the last fiscal year, was carried on this year. On February 2, 1955, the new dam was completed to the extent that water in the lake could be maintained at the desired levels and from that date on the flow through the new gates was regulated in accordance with the requirements of the organizations concerned. Finishing of the downstream apron and final grading of the earth fill could not be completed because of the severe winter conditions prevailing in this region. These improvements, along with the clearing of the site and some repairs to the bush road leading from the dam to Highway No. 17, will be carried out next year.

The new dam was built of reinforced concrete and of earth and rock fill. It is 310 feet long and has a maximum height of 25 feet, from the bottom of the foundation to the top of the deck. The height of the deck over the sill is 12.5 feet.



One of the largest dams built by the Department
LAC DES MILLE LACS DAM (THUNDER BAY DISTRICT)

The concrete foundation slab was made 20 feet wide. A carpet of impervious earth and gravel fill, up to 45 feet in width and up to 12 feet thick, was placed in front of the concrete structure along the upstream side of the dam for protection against seepage of water through the pervious layer of sand and boulders which is underlaying the foundation. A 55-foot wide apron, consisting of rock and gravel fill, was extended along the downstream side of the dam for protection of the structure from being underwashed by the discharge flow. The lower portion of the rock filled cribwork of the old timber dam was left in place and used as a part of this apron. With upstream carpet and downstream apron included, the maximum width of the dam is 120 feet.

The new dam has seven 14-foot sluiceways. At water level elevation 1,500.00 feet, up to which the lake can be raised without causing damage to the surrounding property, 6,000 cubic feet per second can be discharged through the seven sluice gates. The discharge capacity of the old dam had been 3,300 c.f.s. under the same conditions.

The deck of the dam was made 138 feet long and 12 feet wide. Movable winches on steel rails were provided with which to operate the stop logs in the seven sluiceways. A steel pipe railing was installed around the deck to provide protection during the operation of the gates.

An automatic gauge was installed on the northerly bank of the Seine River, about 200 feet downstream from the dam, for registering the tail water levels. For reading the upstream levels, a staff gauge was fixed to Pier No. 7 in the northerly sluiceway of the dam.

Magnetawan Dam, Parry Sound District

The old timber deck on the South Dam of the three Magnetawan Dams was deteriorated and had to be replaced. A new dock of reinforced



Before Reconstruction
NEPEWASSI LAKE DAM
HAWLEY TOWNSHIP (SUDBURY DISTRICT)

concrete was placed on the existing steel stringers which bear on masonry piers. The new deck was made 80 feet long, 12 feet wide and seven inches thick. Steel rails were placed on the deck for a pair of movable gear winches with which the stop logs are operated.

Nepewassi Lake Dam, Sudbury District

At the request of the Department of Lands and Forests, the dam at the foot of Nepewassi Lake was reconstructed this fiscal year. The old timber structure had decayed beyond repair. A satisfactory layer of bed rock was located in the river bed and a new reinforced concrete dam was designed by the engineering staff of the Department. At the end of the year the new dam was completed except final grading of the earth fill, which will be finished next year.

The new dam is approximately 100 feet long. It has two 14-foot sluiceways which are based on a 17-foot wide foundation slab. The depth of water from the sill to the controlled water level is five feet and the deck is 4.5 feet above this level. The deck is 12 feet wide and 12 inches thick. The sluiceways are equipped with timber stop logs and four gear winches for operation of the stop logs when regulating the flow.

Orono Dam and Bridge, Durham County

The existing earth fill dam combined with a concrete sluiceway and a bridge, located on Crown property at the Orono Provincial Forestry



After Reconstruction
NEPEWASSI LAKE DAM
HAWLEY TOWNSHIP (SUDBURY DISTRICT)

Station, was washed out during the spring flood in 1952. One of the sluiceway abutments was underwashed and a 53-foot long gap opened in the fill embankment. The creek had taken a new course through the washout, and the pond had dried out. For maintaining the road traffic, a Bailey bridge, 80 feet long, was installed across the gap in 1952. This fiscal year, the temporary bridge was removed and reconstruction of the dam and bridge carried out to its completion. Some work on extension of the downstream apron, and improvement of the river bed downstream of the dam, will be carried out next year.

The river bottom was found to be composed of fine sand, silt and clay. A cut-off wall of steel sheet piling reaching ten feet below the bottom of the sluiceway foundation was driven in along the upstream face of the existing portion of the dam, and joined with the concrete foundation slab. With such improvement, the old concrete pier at the easterly side of the sluiceway and the sluiceway sill slab were considered to be safe and were left in place. The westerly pier was taken out and a new pier built in reinforced concrete. The foundation slab of the new pier was enclosed all around with steel sheet piling and a steel sheet pile core wall was extended through the new earth fill and keyed in with the old embankment of the dam. The earth fill was composed of clayish sand and gravel with more clayish material placed near the upstream side of the embankment to act as an impervious core of the filled part of the dam.

The width and the height of the original dam were left unchanged. The width of the single sluiceway is 14 feet 2 inches, the height of the

dam from bottom of the concrete foundation to the top of the deck is 25 feet and the deck is 13 feet above the sill.

A new bridge deck, 25 feet wide, was built of reinforced concrete across the sluice gate and a curb and handrail installed for safety of the road traffic. New gear winches were installed for operation of the stop logs.

In addition to the above, a bridge on a road leading to the Headquarters of the Orono Provincial Forestry Station, on Crown property, was reconstructed along with the main project. The existing concrete abutments were left in place, but the timber deck which was found to be unsafe for traffic, was renewed. The new deck, 19 feet wide and 28 feet long, was built as a 6-inch thick laminated timber floor on steel stringers. Creosote treated timber was used in the floor. A steel pipe handrail was installed along both sides of the bridge.

Port Carling Lock, Muskoka District

In order to complete the reconstruction of the lock which in its major parts was finished during the previous fiscal year, complementary work on conduits, wiring and equipment for electrical operation of gates and valves, installation of light standards and wiring, installation of a water supply system, etc., was carried out this year. An extension 10 feet by 11 feet was added to the lockmaster's office building as an operation room for the new lock. The lawns and sidewalks around the lock were renewed and exposed parts of the lock and the equipment were painted where necessary.

Major repairs were made to the steel swing bridge which crossed the lock near its lower gates. The old concrete deck was worn out and the steel stringers which supported the deck were found to be overstressed under the present traffic conditions. The old concrete deck was removed, two new stringers installed through the whole length of the swing span, in addition to the existing ones, and a new laminated timber deck, six inches thick, was installed. An asphalt carpet will be placed on the top of the timber floor in the spring of 1955, as soon as weather conditions permit such work to be carried out. The balance of the swing bridge span was adjusted to suit the new load conditions.

The timber wharf on the south side of the entrance to the lock from Lake Rosseau was in need of major repairs. It was reconstructed this year in 150 feet of its length and four fingers, each 22 feet long and 6 feet wide, were extended from the new wharf into the Indian River to serve as docks for smaller watercraft. The new wharf and piers were built on concrete foundation blocks and the deck was made of steel stringers and of three-inch timber flooring. The new wharf and piers provide landing space for ten boats which will alleviate the shortage of landing space that the residents and tourists in the area complained of during summer seasons.

The work of deepening and widening the channel for small water craft between Lake Rosseau and Port Carling Bay was brought to completion. The channel was made 10 feet wide, 2 feet 6 inches deep at the sides, 3 feet deep at the centre and has both sides lined with wood sheeting.

Raven Lake Dam, Haliburton District

The worn-out timber deck on the existing concrete dam was replaced by a new two-inch timber deck resting on new 8" x 10" stringers. Winch piers were built in timber and a pair of modern gear winches of

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

ten ton capacity were installed to facilitate operation of the stop logs. In addition, a wooden hand rail was constructed around the deck for safety purposes.

Tasso Lake Dam, Nipissing District

The old timber dam at the foot of Tasso Lake, which had been maintained and operated by the Department of Public Works for regulation of flow in the Big East River system, had deteriorated beyond repair. A new reinforced concrete structure was designed by the engineering staff of the Department and the reconstruction work was carried out during this fiscal year. The new dam was completed, except final grading of the earth fill which will be finished next year.

The new dam is 250 feet long and 19 feet high from the bottom of the concrete foundation to the top of the deck. It has one sluiceway 14 feet wide. The depth of water from the sill to the regulated level is nine feet and the deck is four feet above this level. A reinforced concrete apron extends downstream from the sill. The maximum width of the dam, including the apron, is 35 feet. Both wing walls of the dam were constructed of earth and gravel fill with a reinforced concrete core wall extending through the whole length of the wings. The upstream part of the earth fill was combined of clayish sand and finer gravel as an impervious fill and a carpet of similar fill, up to five feet in thickness, was installed in front of the sill.

The wing wall embankments are 15 feet wide across the top, to serve as a roadway, and the deck of the dam incorporates the necessary strength and width to provide for passage of vehicles. The dam was equipped with stop logs and gear winches for control of the flow of water. Curbs and railings were installed on the deck of the dam to provide for safe passage.

West Harry's Lake Dam, Nipissing District

Major repairs were made to the existing timber crib dam at the foot of West Harry's Lake. Timber sheeting was renewed along the underwashed portion of the North wing wall for a distance of approximately 100 feet. An earth and gravel carpet was placed in front of the sheeting along the whole length of the wing wall. The impervious carpet was made 12 feet wide on the top and about 20 feet wide at the bottom.

REPAIRS AND MINOR CONSTRUCTION WORK

Regular maintenance of dams, docks, locks and navigable channels was carried out and repairs and minor construction work were done where necessary. New steel pipe hand rails were installed on the Tea Lake and Whitney Dams, both in Nipissing District. Improvements were made to the dams of the Big East River Water Control System as follows: New timber decks and windlass were placed on the Camp Lake and Bear Creek Dams; repairs on underwashed wing walls were carried out on the Centre, Marion Lake and Cripple Creek Dams. Timber planking was repaired on the Lake of Two Rivers Dam, Nipissing District. Two more portable Camp Buildings were constructed during the winter months, making a total of eight constructed to date. The construction equipment was also overhauled, ready for use in the ensuing season.

HURRICANE "HAZEL"

On October 15, 1954, central regions of the Province were subjected to very heavy rain and high velocity wind, forming part of the Hurricane "Hazel". The rainfall exceeded eight inches in 48 hours and resulted in a heavy flow and high water levels, which in many places surpassed the maximum run-off quantities and water levels previously recorded. The excess of flow caused flooding of building sites at Nepe-wassi Lake, Sudbury District, Tasso Lake, Nipissing District, and Buck Lake, Muskoka District, where new dams were under construction. This caused damage to coffer dams and delay of the construction work. Minor damage was inflicted by the flood to Dutchman's Dam and LeGrous Dam, both in Parry Sound District, and to a number of dams in other regions. They were repaired in the course of the ordinary maintenance work. No major devastation was caused by the hurricane to hydraulic structures built or maintained by the Department.

LOCKAGES

Of the three Provincial Government operated locks, only two were in operation this year, the Huntsville Lock entrance channel being under reconstruction. Records of watercraft passing through the locks are as follows:

	Steamers	Small Boats	Scows	Rafts	Total
Port Carling	579	3,809	59	—	4,447
Huntsville	—	—	—	—	Nil
Magnetawan	—	111	—	1	112
	<hr/> 579	<hr/> 3,920	<hr/> 59	<hr/> 1	<hr/> 4,559

PROVINCIAL AID TO DRAINAGE

Grants Paid During the Fiscal Year 1954-1955

County	Township	No. of Grants Paid	Amount of Grants
Bruce	Culross	1	\$ 1,343.33
Bruce	Huron	2	2,989.34
Bruce	Kinloss	1	3,387.01
Dufferin	East Garafraxa	1	544.71
Dufferin	East Luther	2	2,614.72
Dundas	Matilda	1	1,274.03
Dundas	Mountain	1	540.63
Elgin	Aldborough	1	300.53
Elgin	Bayham	1	1,395.07
Elgin	Dunwich	29	15,932.97
Elgin	Malahide	4	6,194.92
Elgin	South Dorchester	6	1,398.80
Elgin	Southwold	13	12,375.00
Elgin	Yarmouth	5	7,330.82
Essex	Anderdon	3	905.34
Essex	Colchester North	18	11,017.88
Essex	Gosfield North	2	1,227.28
Essex	Maidstone	6	4,132.16
Essex	Malden	2	2,604.12
Essex	Mersea	10	13,002.98
Essex	Pelec	1	633.51
Essex	Rochester	1	2,879.32
Essex	Sandwich South	3	18,463.08

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

County	Township	No. of Grants Paid	Amount of Grants
Essex	Tilbury North	1	752.60
Essex	Tilbury West	6	10,033.79
Glengarry	Kenyon	2	2,171.13
Glengarry	Lancaster	4	6,942.86
Glengarry	Lochiel	6	4,504.45
Hastings	Sidney	1	10,871.36
Huron	Ashfield	2	6,022.15
Huron	East Wawanosh	1	1,470.56
Huron	Grey	2	1,505.54
Huron	Hay	2	5,382.67
Huron	Howick	4	1,910.17
Huron	Hullett	3	4,429.64
Huron	McKillop	5	2,861.07
Huron	Morris	2	4,906.62
Huron	Stanley	1	2,554.83
Huron	Stephen	4	4,877.81
Huron	Tuckersmith	9	12,640.98
Huron	Turnberry	5	4,502.03
Huron	Usborne	6	6,673.55
Kent	Camden	4	3,936.57
Kent	Chatham	22	20,176.41
Kent	Dover	24	31,734.84
Kent	Harwich	3	8,749.84
Kent	Howard	11	5,772.15
Kent	Orford	14	8,396.69
Kent	Raleigh	16	53,631.48
Kent	Romney	2	1,000.00
Kent	Tilbury East	6	5,135.18
Kent	Zone	15	5,233.41
Lambton	Bosanquet	13	13,079.12
Lambton	Brooke	25	21,227.67
Lambton	Dawn	21	15,699.70
Lambton	Enniskillen	7	4,593.10
Lambton	Moore	18	12,930.55
Lambton	Euphemia	17	15,928.53
Lambton	Plympton	14	22,586.41
Lambton	Sarnia	8	5,716.60
Lambton	Sombra	7	2,860.39
Lambton	Warwich	30	27,253.97
Lambton	Arkona (Village of)	1	578.17
Lanark	Ramsay	1	2,290.49
Lennox and Addington	South Fredericksburgh	1	1,832.61
Middlesex	Adelaide	6	12,261.85
Middlesex	Biddulph	4	5,168.07
Middlesex	Caradoc	3	3,709.14
Middlesex	Delaware	3	6,127.08
Middlesex	East Williams	2	2,386.62
Middlesex	Ekfrid	8	4,078.29
Middlesex	London	6	18,188.83
Middlesex	Lucan (Village of)	2	1,405.93

County	Township	No. of Grants Paid	Amount of Grants
Middlesex	McGillivray	4	7,971.13
Middlesex	Metcalfe	11	7,008.16
Middlesex	Mosa	7	4,621.11
Middlesex	North Dorchester	1	1,217.25
Middlesex	West Nissouri	2	5,468.05
Middlesex	West Williams	1	245.67
Norfolk	South Walsingham	1	470.33
Norfolk	Townsend	2	678.00
Norfolk	Windham	3	5,936.74
Oxford	Blandford	3	2,352.54
Oxford	Blenheim	1	1,984.04
Oxford	East Nissouri	1	630.88
Oxford	East Oxford	5	2,975.25
Oxford	East Zorra	2	1,103.06
Oxford	North Norwich	3	767.17
Oxford	North Oxford	3	1,086.16
Oxford	South Norwich	1	2,502.59
Oxford	West Zorra	4	3,357.76
Perth	Blanshard	8	7,450.40
Perth	Downie	2	1,537.93
Perth	Ellice	14	8,421.57
Perth	Elma	6	6,847.31
Perth	Fullarton	1	778.55
Perth	Hibbert	2	1,531.50
Perth	Listowel (Town of)	1	3,556.57
Perth	Logan	9	6,148.01
Perth	Mornington	3	2,159.84
Perth	South Easthope	1	760.05
Perth	Wallace	5	7,506.60
Prescott	Alfred	1	2,130.50
Prescott	Caledonia	3	4,101.00
Prescott	Longueuil	1	1,590.92
Renfrew	Westmeath	2	1,719.53
Russell	Clarence	1	712.23
Russell	Cumberland	2	665.37
Simcoe	Essa	1	1,108.07
Simcoe	Nottawasaga	1	2,462.65
Simcoe	Tecumseth	1	2,607.85
Simcoe	Tiny	1	1,336.67
Stormont	Cornwall	1	1,628.41
Stormont	Finch	3	1,641.43
Stormont	Canabruk	1	928.96
Stormont	Roxborough	4	5,185.44
Temiskaming (District)	Harris	1	1,022.40
Waterloo	Wellesley	1	2,070.23
Waterloo	Wilmot	5	2,940.55
Waterloo	Woolwich	1	435.52
Welland	Willoughby	1	5,330.36
Wellington	Maryborough	1	1,295.24
Wellington	Minto	4	5,346.36
Wellington	West Luther	3	4,252.88
TOTAL FOR 1954-55		641	\$698,756.94



Before improvement, showing water lying on farmlands.

WOOD CREEK DRAIN
LANCASTER TOWNSHP (GLENGARRY)



After improvement, showing rapid drainage of farmlands.

WOOD CREEK DRAIN
LANCASTER TOWNSHP (GLENGARRY)

TERRITORIAL DISTRICTS — NON-MUNICIPAL

The Provincial Aid to Drainage Act allows for an 80% grant towards the cost of approved drainage works in unorganized Townships, Territorial Districts and Provisional Counties. The remaining 20% of the cost is paid by the owners of the benefiting lands. During the fiscal year eleven drainage schemes were completed, as follows:

District	Township	Concessions	Lots	Amount Paid
Sudbury	Burwash	1 & 2	6	\$ 428.76
Parry Sound	Lount	2	6 & 7, 10-14	431.08
Cochrane	O'Brien	8 & 9	3 & 5	720.42
Algoma	Galbraith	1 & 2	9 & 10	1,556.59
Cochrane	Kendall	7 & 8	5 - 9	1,658.76
Algoma	Plummer	6	10 & 11	697.88
Cochrane	Casgrain	9 & 10	25 & 26	150.72
Algoma	Gladstone	1	7	1,413.96
Algoma	Gladstone	2	8 & 9	2,004.76
Algoma	Patton	3 & 1	9	864.27
Temiskaming	Sharpe	4	3	629.40
				\$10,586.60

These projects were all surveyed, plans and specifications prepared, tenders invited, contracts awarded and assessments made by the Department.

MUNICIPAL DRAINAGE

1954 - 1955

Grants were paid in aid of Municipal Drainage in the following localities:

Township	County or District	Total Amount
Clarendon and Miller	Frontenac	\$ 250.00
Kennebec	Frontenac	421.70
Olden	Frontenac	856.80
Portland	Frontenac	200.50
Monteagle and Herschel	Hastings	459.95
Town of Chelmsford	Sudbury	1,599.00
Ingram	Temiskaming	1,847.10
Ingram	Temiskaming	1,980.00

REMEDIAL WORKS, ETC.

HURRICANE "HAZEL"

Holland Marsh

Southern Ontario experienced fairly severe rains on October 14 and 15, 1954, which thoroughly saturated the ground. Hurricane "Hazel" unexpectedly struck a portion of Southern Ontario on the evening of October 15. It is reported that 5.41 inches of rain fell during the evening,

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

whereas the previous high record had been considerably less. The drainage basin in which this branch of the river is located has about 100 sq. miles of area. The dyking of the Holland Marsh required that the original Holland River be blocked and split into two streams, each one flowing around the Marsh (in opposite directions) and meeting again at the lower end. Apparently, the canals, particularly at the point of dividing, were not of adequate capacity to carry the excessive severe floods. The canals filled to the top and overflowed the dykes in several places and in so doing washed large gaps in them. Within a few hours the entire Marsh was inundated to a depth varying up to a maximum of about 8 feet. At one stage of the flood, water was reported to be flowing over Highway 400 to a depth of 2 feet. After the initial surge, the water settled down to a maximum depth of about 6 feet and level with the lowest part of the highway. A great deal of damage was done to houses, storage sheds, greenhouses, implement sheds, and other buildings. In fact, many of them were either demolished completely or carried away for considerable distances by the velocity of the water. Entire patches of produce still in the ground were lifted and transported by the flood for considerable distances, and many large holes were left as the light earth clung to the roots.

After realizing the seriousness of conditions at the Holland Marsh, and in view of the fact that this Department had contributed substantially to the creation of the Marsh as an agricultural asset under the provisions of The Provincial Aid to Drainage Act, the Department contacted the Reeves of West Gwillimbury and King Townships on the morning of October 17, 1954, to offer sympathy and any possible practical help. The first requirement was the removal of flood waters from the Marsh. It is estimated that nearly eight billion gallons of water had to be removed before the freeze-up, in order to ensure that the farmers could put in crops next spring. The Hydro-Electric Power Commission of Ontario was invited to provide pumping equipment and electric power supply and our Department also took steps to endeavour to locate large capacity pumping equipment. Numerous long distance telephone calls were placed to all the large cities in Ontario and many in the United States in an endeavour to locate large pumping equipment for immediate use. The results were rather disappointing, but several large pumping units were obtained and shipped into Holland Marsh to augment the equipment obtained by the Hydro-Electric Power Commission.

The stationary pumps in the pump house were started in operation immediately following the flood. The first borrowed pump commenced to operate in October 21, 1954, and additional pumps were added day by day as received at the site and installed. Most of them were electric motor driven. At the height of the pumping operations, the battery of pumps, amounting to about 24 units, were discharging at a total rate of 250,000 gallons per minute. By November 7, 1954, the water had been lowered to such an extent that the pump suction were commencing to be starved and arrangements were made to bring in two dredges mounted on barges to dredge out the river bed, in order to expedite the flow of water to the pumps. On November 11, 1954, all the temporary pumps had to be shut off because of the lack of water, and also because it was felt that the permanent pumping units in the pump houses could handle the water from then on. By the end of November, the water was almost entirely removed from

the farm land, and only remained in the river channel. Fortunately, no severe frosts occurred to interfere with the dewatering operations. The borrowed pumps were all dismantled and returned to their various owners.

The numerous breaks in the dyke were all repaired by driving double rows of wooden piling, tying them together with steel cables, and filling in between with earth brought in from outside the Marsh area. Thousands of cubic yards of fill were placed, and hundreds of wooden piles were driven.

The Department was charged with the responsibility of removing all the contaminated produce, damaged crates, wreckage and debris that was strewn over the entire Marsh area, particularly adjacent to Highway 400. In addition, there were thousands of tons of muck and debris to a depth of 3 feet to 4 feet that had to be removed from a large area at the south end of the Marsh, and on the west side of Highway 400. Three large drag lines and a fleet of trucks were hired to dig out and transport this contaminated mixture to dumps where it was deposited and buried. Approximately 30,000 tons of contaminated marsh soil and debris were disposed of in this way. In addition, about 280,000 bags of contaminated onions and other vegetables were collected and disposed of in the dumps.

The cleaning up operation was completed about December 22, 1954.

In order to forestall another flooding catastrophe, it was decided to deepen and widen the canal each way from the point where it divided for a distance of several thousand feet. Two $1\frac{3}{4}$ -yard drag lines were brought in by our Department, and worked at this task from November 17, 1954, to December 23, 1954, completing about 8,500 feet of work. The Holland Marsh Drainage Committee decided to initiate a repair drainage project, under the provisions of the Provincial Aid to Drainage Act, to complete the entire 17 miles of canal dredging and raising of the dykes about two feet. The Province will be called upon to contribute $33\frac{1}{3}\%$ of the cost under the Act, which contribution will amount to about \$75,000.00.

Concurrent with the operations outlined, the Department also acted to assist the Ontario Hurricane Relief Fund in providing temporary housing accommodation for those whose homes were either destroyed or flooded. Arrangements were made with the Ontario Hydro-Electric Power Commission to deliver and erect some thirty temporary buildings, size 16 by 28 feet, that had been used in various parts of the Province as work camps on transmission line erection. Under the direction of the local Relief Committee, these housing units were assigned to the most needy families whose homes had been completely destroyed and would require some time for rehabilitation. The buildings were furnished, equipped with linoleum flooring, window curtains, etc., and painted both inside and out. A semi-permanent concrete block washroom was erected by the Relief Committee, with the Village of Bradford arranging the necessary water supply, sewage disposal, etc. The Department purchased from the Department of Reform Institutions 500 sheets and 250 blankets for immediate use.

The Department of Public Works acquired and delivered into the care of the Ontario Hurricane Relief Committee thirty standard trailers, fully equipped for housekeeping. These were used to accommodate

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

families whose homes could be rehabilitated as soon as the flood waters were pumped out, or as soon as the homes partially damaged could be repaired.

The Department assisted wherever possible the activities of the Department of Agriculture, the Provincial Police and the work of rehabilitating farm machinery and other equipment damaged by the flood. Equipment rented by the Department in the form of cranes, tractors, trucks, etc., worked closely with similar equipment supplied by the Department of National Defence under the able direction of Army officers from Camp Borden. By Christmas of 1954 it was considered that the emergency status of the relief measures had ended from the standpoint of this Department. The cost of the above mentioned operations in the Holland Marsh area has been estimated at approximately \$327,000, of which the largest item of \$153,000 is for pumping and dyke repair. Removal of debris cost approximately \$54,000 and temporary housing services \$120,000. Of this latter item it is estimated that the major portion, of \$111,000, being the purchase price of thirty trailers supplied to the Relief Committee, can be recovered almost entirely by sale of the vehicles as they are released. There will be some recovery also on bedding, small tools and other equipment which was purchased for emergency use. It is difficult to arrive at a final figure of the cost as many accounts have not yet been received or processed for payment.

Woodbridge

While the above operations were in progress, the Department also gave aid to the flood victims of Woodbridge and the surrounding areas, where some seventy-five families lost their homes and personal possessions by the flooding of the Humber River. A number of these families had been located in a trailer camp near the river and the trailers were either washed away or seriously damaged. Assistance was accomplished by two means. Through the co-operation of the local Fair Board, a site was established on high ground on which a temporary building was erected with accommodation for approximately 35 families. Arrangements were made by the Department of Public Works with Angus Robertson Limited to deliver and erect one of their pre-fabricated construction camps and to do the necessary work of installing heating, plumbing, electrical fixtures, etc., also to deliver gravel for the necessary roadways, walkways, etc. Through the co-operation of the catering firm of Crawley & McCracken Company Limited, the necessary cooking equipment was installed and provision made for serving meals. Thirty trailers were acquired and delivered by the Department of Public Works to the care of the Ontario Hurricane Relief Committee to provide accommodation for an additional 30 families at the same site.

The cost of the above operations at Woodbridge has not as yet been fully determined, but the cost of the trailers is approximately \$111,000 and the establishment of the temporary building, including furnishings, commissariat, etc., with provision for its ultimate removal next summer, is estimated around \$70,000. It is believed that the cost of the trailers is largely recoverable by sale and the families housed in both the trailers and the temporary building are paying a rental rate sufficient to cover a large proportion of the cost of the temporary accommodation.

OTHER HURRICANE "HAZEL" RELIEF WORK

Technical assistance in various forms was also given to the various relief agencies, Municipal Councils and individuals in the stricken areas. Examination was made of the damage caused on a short section of the Grand River at Bridgeport in the County of Waterloo. This flooding caused considerable hardship but structural damage and loss of personal possessions was not too heavy. Assistance was given the Council of Metropolitan Toronto in emergency flood relief measures. At the request of the officials of the Ontario Hurricane Relief Fund, the Department undertook to supervise the investigation of nearly 200 farm bridges and dams that had been damaged in the path of the storm. In each case, a report and recommendation was made as to the amount of compensation that should be allowed for the restoration of the structures to their former condition.

Mersea Township, Essex County — "East Marsh"

The work of constructing a stone breakwater to protect valuable below-lake-level farm land was completed and the Province's one-half of the cost paid to the Municipality. Additional work will have to be done in the near future to fully complete the project.

Chapman and Strong Townships, Parry Sound District

A group of farmers in both Chapman and Strong Townships were suffering from excessive flooding of their lands. This made farming a very discouraging occupation. They made representations to this Department through their Municipal Councils for a grant to alleviate the situations. Grants in amounts up to a maximum of \$1,000.00 each were approved towards the cost of the work. The property owners did most of the work themselves and the grants were extended on the purchase of dynamite, air compressors and other materials and necessary equipment.

Expressions of thanks and appreciation were received from both Municipalities.

Black Ash Creek, Town of Collingwood

The Blue Mountains are a formidable range of hills located about three miles south west of the Town of Collingwood. Three creeks, two of them fairly large, flow down from these hills from the vicinity of Osler Bluff, through the Town of Collingwood and into Nottawasaga Bay. During the past number of years, farm lands situated on the north easterly slopes of these hills have had considerable drainage work done, in order to improve the agricultural value of the lands, which has resulted in a marked increase in the velocity and flow of these creeks during the spring flood period. This has caused great hardship to properties and dwellings within the town limits of Collingwood, through no fault of their own, by flooding each spring.

The Town Council engaged the services of Consulting Engineers, who reported on the situation and recommended that a relief ditch be constructed under the Municipal Drainage Act, whereby the benefitting properties and roads will be assessed for the entire cost. This will cut off the waters of these creeks at or near the town limits and carry them

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

around the town to the bay by way of the lower end of the Black Ash Creek, which will be deepened, widened and straightened, in order to take care of the increased flow.

A grant of 50% of the cost of the work was authorized, with a maximum of \$30,000.00. The work was practically completed on the lower portion of the scheme by the middle of October, 1954, and was so successful that the flood waters of Hurricane "Hazel" passed through without much damage to property in the Town. When the drainage work is fully completed next year, it will certainly remove the threat of damage by any but very extreme spring floods.

Respectfully submitted,

W. L. RICE, P.Eng.,
Civil Engineer.

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Overseas
February

Report

of the

Minister of Public Works

for the

Province of Ontario

for the

Twelve Months Ending March 31st, 1956

Presented to the

PRINTED BY ORDER OF

THE LEGISLATIVE ASSEMBLY OF ONTARIO



ONTARIO

TORONTO

PRINTED AND PUBLISHED BY BARTIST JOHNSTON, PRINTER TO THE
QUEEN'S MOST EXCELLENT MAJESTY, 1957

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SESSIONAL No. 14 — 1957



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QUEEN'S MOST EXCELLENT MAJESTY, 1957



COL. THE HONOURABLE WILLIAM GRIESINGER, M.C., V.D.

MINISTER OF PUBLIC WORKS

To:

THE HONOURABLE LOUIS O. BREITHAUPF,

Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

As required by law, I submit for the information of Your Honour and the Legislative Assembly, the Annual Report of the works under control of the Public Works Department, comprising the reports of the Deputy Minister and Chief Architect, as well as the report of the consulting services rendered the Department of Health, the report of the Accountant, and the report of the Engineer as submitted to the Deputy Minister (Engineering), for the twelve months ending the 31st of March, 1956.

Respectfully submitted,

WILLIAM GRIESINGER,

Minister of Public Works.

REPORT
OF THE
DEPUTY MINISTER OF PUBLIC WORKS
(ARCHITECTURE)

THE HONOURABLE WM. GRIESINGER, M.P.P.,
Minister of Public Works,
Parliament Buildings,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying report of the Chief Architect, and the report rendered the Department of Health on Private and General Hospitals as submitted by one of our Architects, for the fiscal year, April 1, 1955 to March 31, 1956.

In presenting this report, I desire to take the opportunity to again extend my sincere thanks and appreciation to you for your very patient and kindly attitude when dealing with all matters pertaining to the administration of this Department, and also to thank the members of the staff of the Department of Public Works for their co-operation and assistance in carrying out our greatly expanded programme during this past year.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS,

Deputy Minister of Public Works (Architecture)

Toronto, March 31, 1956.

REPORT OF THE CHIEF ARCHITECT

To:

THE HONOURABLE WM. GRIESINGER, M.P.P.,
Minister of Public Works.

Sir:

I have the honour to report on the work done by the Chief Architect's Branch of the Department of Public Works, Ontario, during the fiscal year April 1st, 1955 to March 31st, 1956.

During the fiscal year a considerable programme of work in respect to the construction of new buildings was again undertaken by the Ontario Department of Public Works to meet the requirements of the various branches of the Government services.

For the Department of Health an extensive schedule of work was engaged in, relative to the erection of new Mental Hospital Buildings to increase the bed accommodation for patients. A large amount of work was also carried out in the way of new buildings, additions to existing buildings, and general maintenance and considerable fireproofing work.

LEGISLATIVE AND DEPARTMENTAL BUILDINGS

Parliament Buildings, Main Building and North Wing

The progressive reconstruction and renovation programme directed to fire prevention was continued during the year in the Main Building, and included the completion of the installation of one service and two passenger elevators in the East Wing, renovation of the electrical plant and lighting equipment, and replacement and insulation of dry return steam lines. Approximately 85% of the Parliament Buildings is now lighted with fluorescent lighting. A 1,000 watt stand-by plant for emergency light and power was installed.

The Legislative Chamber was renovated and painted, and the drapes cleaned and lined. Alterations were carried out and new equipment was installed in the Press Gallery.

A number of rooms were redecorated, including the Members' Caucus Room, the offices of the Attorney General, the Minister of Education, the Provincial Secretary, and the Minister of Municipal Affairs, and offices on the first and third floors, and the Building Superintendent's apartment. A committee room on the third floor was remodelled and painted, and a new floor covering was laid.

Repairs to the upper stonework and roof of the North Wing, and pointing and waterproofing of stonework on the West Wing were carried out.

Construction of cupboards, shelving, valance boxes, and other improvement and maintenance work was also carried out.

Necessary running repairs and replacements were made throughout this fiscal year to the plumbing and heating systems, and the electrical services at the Legislative and Departmental buildings to maintain these systems in good working order.

East Block

The general offices of the Department of Labour located on the sixth floor were vacated the early part of December, 1955, and the space was taken over by the Department of Public Works.

The suite formerly occupied by the Minister of Labour was fully renovated and furnished for the Minister of Public Works. A new doorway was cut to give entrance to an adjoining office.

The offices of the Ministers of Lands and Forests, Health, Welfare, and Highways were redecorated, and an acoustic ceiling and new electrical fixtures were installed in the Department of Highways board room. Approximately thirty other offices and rooms in the building were redecorated.

The cafeteria on the sixth floor was redecorated, and new stainless steel counters and equipment were installed.

Alterations were made to provide additional laboratory accommodation for the Provincial Assay Laboratories of the Department of Mines on the eighth floor.

Cupboards were fabricated and new linoleum was laid in the Department of Highways blueprint room on the seventh floor. Work was carried out on cupboards, shelving and other fixtures, and changing of partitions in various offices throughout the building.

Construction of a new addition, and improvements to the existing boiler room, including the installation of a new boiler, are well advanced, and will increase the capacity of the heating plant for the Parliament Buildings group by approximately 50%. This plant supplies the heating requirements for the main Parliament Building, the East Block, and other buildings in the area extending to College Street, including the Psychiatric Hospital, Banting Institute, and the recently completed Treasury Building. The addition to the plant, 14' x 50', and two storeys high, is finished in Queenston limestone to conform to the existing building. The lower floor contains the Engineers' offices and washroom, and the upper floor will house ash handling equipment and controls. Construction is progressing, with the walls up to roof level.

7 Queen's Park Crescent

The third floor was remodelled to provide facilities for the establishment of a clinic for forensic medicine by the Department of Health.

Metal clad doors were installed in the Treasury section. A plank floor was laid in the Department of Highways storage section. Handrails were installed on the first floor and south entrances, and water lines and plumbing fixtures were repaired.

11 Queen's Park Crescent (New Treasury Building)

The new six-storey Treasury Building at 11 Queen's Park Crescent, as described in the previous year's Report, was substantially completed, and partially occupied by Treasury Department personnel before the end of 1955, while installation of remaining fixtures and equipment continued. The building was finally turned over to the Department for full occupancy in January, 1956.

13 Queen's Park Crescent

Maintenance repairs were carried out to the roof, plumbing and windows, and a number of interior partitions were erected.

15 Queen's Park Crescent

The centre section of the building was re-roofed.

Plumbing repairs were carried out, washroom floors were repaired and new coverings laid.

Shelving was installed for the Department of Lands and Forests.

39 Queen's Park Crescent

Floor repairs were carried out.

18 Surrey Place (Ontario Provincial Police Garage)

Partitions were removed, and a stockroom and office constructed. Maintenance repairs were carried out.

20 Surrey Place (Department of Highways Garage)

A ventilating system was installed.

74 Wellesley Street

The first floor rooms were painted, and repairs were made to the roof, and to plumbing installations.

206 Huron Street (Department of Education)

Masonry and chimneys were repaired.

Shelves for storage were constructed in the basement, and a cupboard for supplies in the general office.

210-216 Huron Street (Ontario Fire Marshal)

A platform and new steps were constructed at the rear entrance to this building.

454 University Avenue (Department of Planning and Development)

The building at 454 University Avenue, vacated by the Liquor Control Board, was completely renovated, and was taken over and occupied by the Department of Planning and Development on September 30th, 1955.



Views of the New Headquarters of the Department of Planning and Development
454 UNIVERSITY AVENUE, TORONTO

Osgoode Hall

Repairs were made to the masonry and chimneys, and to metal cornice and roof on the northwest section of the building.

Alterations were carried out to provide and furnish a new courtroom, and new offices for the Registrar of the Supreme Court of Ontario, and his staff, and other requirements of the Attorney General's Department.

Extensive renovation of plumbing installations, including replacement of deteriorated piping and fittings, was carried out in the main washrooms on all floors. A sump pump and an incinerator were installed.

Queen and York Streets (Ontario Government Office Building)

The new Ontario Government Office Building at Queen and York Streets, Toronto, referred to in the previous year's Report, was completed except for final adjustments, equipment, and finishing in some areas; and the fifth, sixth, and seventh floors were occupied by the staff of the Public Trustee in June, 1955. Other Departments concerned moved into the first, third, and fourth floors on the following month, when the work of all contracts was completed. The Municipal Board took over the second floor in November, completing the occupancy of the Building.

291-295 Sherbourne Street (Ontario Provincial Police Training School)

The roof was repaired, new eavestroughing was installed, and the exterior of the building was painted. The main water line from the street to the various buildings was renewed.

70 Lombard Street

77 Richmond Street East (Registrar General)

A sump pit and pump were installed in the basement to prevent flooding conditions. Electrical installations were renovated. An incinerator was installed.

6-8 York Street (Department of Labour Building)

Renovating and re-equipping this building, as referred to in the previous year's Report, was completed, and the premises were occupied by the Department of Labour, all branches previously located in the East Block of the Parliament Buildings being transferred early in December.

Queen's Quay (Ontario Provincial Police Garage)

An outboard motor testing tank was installed, with permanent drainage and exhaust fume conduits to central systems. A fire door was installed between the boiler room and the battery repair shop.

125 Fleet Street East (Ontario Provincial Police General Headquarters Building)

Owing to the inadequate accommodation for the General Headquarters of the Ontario Provincial Police at present located at 13 Queen's Park Crescent, a three-storey building of reinforced concrete and brick was purchased by the Provincial Government in February, 1955, to provide a new General Headquarters, and crime detection laboratory.



The New Headquarters Building of the Department of Labour
6-8 YORK STREET, TORONTO

Major alterations and renovation of the building were started in August, and are well advanced. Renovation of the heating system was completed, plumbing renovations are 40% complete, and the fire protection system is 40% complete.

The first floor of this building will provide space for Ontario Provincial Police automobiles and motorcycles, confiscated automobiles, and a working area for the maintenance and repair of the vehicles. Space is allocated also to accommodate the Toronto and Newmarket detachments, Department of Public Works maintenance staff, cells for prisoners, identification and interrogation rooms, an autopsy room for the crime detection laboratory.

On the second floor space will be provided for the Ontario Provincial Police general administration offices, general files and stores, and the crime detection laboratories.

On the third floor space will be allocated for Civil Defence offices, and radio and radar despatch rooms for the Ontario Provincial Police.

125 Fleet Street (D.P.W. Work Shops)

Temporary partitions were erected for a paint shop, a tinsmith shop and a machine shop for the Department of Public Works. The Department's carpenter shop and stores were moved from 1200 Sheppard Avenue to 125 Fleet Street East the early part of April.

Fabrication work was carried out for the Departments of Planning and Development, Highways, Health, and Labour, and for the Liquor Control Board of Ontario.

1075 Millwood Road (Film Censorship Board)

The exterior and interior of the building were painted, and general repairs were made to windows and floors.

LEASED PREMISES

863 Bay Street (Department of Lands and Forests)

Offices located on the second and third floors at 863 Bay Street, recently vacated by the Department of Planning and Development, were occupied by the Department of Lands and Forests, and are now being remodelled.

1118 Bay Street (Department of Education)

Office partitions and new shelving were erected in the Community Programmes Department.

559 Jarvis Street (Department of Highways)

The electrical wiring was completely renovated. First and second floor partitions and lighting were altered to conform to office changes.

ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS

Kemptville

The new office building, referred to in the previous year's Report, was completed, and provides accommodation for offices of the Departments of Agriculture, Lands and Forests, and Public Works, and the Ontario Provincial Police Branch of the Attorney General's Department.

The corner stone was laid on August 10, 1955, by Hon. George H. Challies, Chairman of the Ontario-St. Lawrence Development Commission, assisted by Col. the Hon. William Griesinger, Minister of Public Works, and Hon. George H. Dunbar, Minister of Municipal Affairs.

The building was occupied by the various departments during the month of January, 1956.



The New Ontario Government Branch Office Building
KEMPTVILLE

Kingston

Upon transfer of the Department of Public Works personnel to offices in the Ontario Hospital grounds, the Department of Public Works space in the Ontario Government building was turned over to the Department of Highways. Steam return lines in the boiler room are being renewed. A catwalk and a sump pump were installed.

London

The paint work of the bank office and main entrance was vacuum cleaned and washed.

Matheson

The heating system was converted from coal to oil. General maintenance and repair work was carried out.

Morrisburg - St. Lawrence Seaway Office Buildings

The heating installation was completed for the two new temporary office buildings, and a combined storage and garage building was erected.

Sudbury (Ontario Government Offices) 172 Elm Street West

The interior walls and woodwork of the Ontario Government offices on the second floor, including Departments of Public Works, Lands and Forests, Mines, and Education, were painted. Partitions, counter and cupboards were installed in the Department of Public Welfare offices on the third floor.

DEPARTMENT OF PUBLIC WORKS AND REGIONAL BUILDINGS

Huntsville (Yard, Storage and Office)

A retaining wall was constructed at the south-west corner of the property.

A considerable amount of fabrication and repair work was carried out for various Government services located in the district.

North Bay (D.P.W. Stores and Workshop)

A building formerly occupied by the Department of Lands and Forests was converted to provide a stores and workshop for the Department of Public Works. Alterations and additions, including bins for electrical supplies, were carried out to make provision for stores.

The roof of the building was resingled, the exterior and interior painted, and a new front entrance door was installed. Plumbing and maintenance repairs were carried out, and an oil furnace was installed. An old Department of Lands and Forests hose tower was dismantled.

Port Arthur (D.P.W. Warehouse, Shop and Office)

A regional warehouse, shop and office building, and a 4-bay truck and equipment garage, as referred to in the previous year's Report, were substantially completed and are in use.

The warehouse, shop and office building, of one-storey brick veneer, is approximately 25' x 110', and provides approximately 800 sq. ft. of shop area, 1,700 sq. ft. for warehouse area, and 1,000 sq. ft. for offices. The one-storey frame truck garage is approximately 30' x 50'.

For the DEPARTMENT OF AGRICULTURE

Fruitland — Fruit Inspection Station (Department of Highways Weigh Bridge Building)

The interior and exterior of the building were painted and repairs were made to the garage and pumping equipment.

Gravenhurst — Fruit Inspection Station

Lighting was installed along the highway in front of the station.

Ontario Agricultural College, Guelph

Dining Hall (Creelman Hall)

A one-storey unloading and receiving platform was added to the rear of the building. The cold room was faced with brick, supported by a new concrete wall. An elevator was installed in the building, and an elevator equipment room was built.

MacDonald Hall

Six washrooms on three floors, at the north and south ends of the building, were completely renovated and modernized with new plumbing lines and fixtures. Wooden floors were replaced with ceramic tile on concrete base. Walls were replastered and ceramic tiled to dado height. Utility rooms with storage cupboards were provided. A two piece men's washroom was installed on the ground floor. The heating system was overhauled, and all old radiators replaced by new convector type fixtures.

MacDonald Institute

The heating system was overhauled, all old radiators being replaced by new convector type. Acoustic tile ceilings were installed in three classrooms. Old wooden floors were covered with plyboard underlay for lino tiles.

Paint Shop

Construction was started in March for a new paint shop building to the rear of the present maintenance building. The building, 60' x 73', will have an entirely fire resistant spray room separated by fire doors from other areas, varnish room, general painting area, painting equipment and store rooms, and office and washrooms, and will provide space also for the housing of maintenance machinery and equipment, and a blacksmith shop.

Piggery Research Building (Arnell Farm)

The exterior of the building was painted, and steel partitions were set up to provide outside runs.

Poultry Building

A frame poultry building, 86' x 36', was constructed and equipped. Electric time clocks, and mechanical equipment for opening and closing windows were installed. The building was partitioned for twelve pens.

Power Plant

The coal elevator was completely overhauled and extensive repairs were carried out. Outside construction, including trench, footings and piers, was completed for the installation of mechanical equipment for a new ash conveyor.

Science Buildings Group

A site has been cleared for the construction of a new Soils Building, the first of three main buildings of a new Science group. The Soils Building is of three storeys with partial basement, and a penthouse, and will accommodate teaching, research, and testing laboratories, lecture rooms, library and offices. The unit includes adjacent greenhouses. An old storage building was demolished to clear the site.

Seed Cleaning Research Building

A new Seed Cleaning Research Building, as referred to in the previous year's Report, was in use by the Field Husbandry Department in September, 1955. Approximately 95% of the seed cleaning machinery, including electrical services, is installed, and construction of a greenhouse, started in January, is completed.

General

A 200' long concrete heating tunnel was relocated from the power plant to the proposed service building, and a 6" steam main, with return pipe, was installed.

A motor was installed for the deep well pump on the Stone Road.

The roof of the dairy barn was painted.

Complete renovation of the Grant House included installation of a concrete floor in the basement, and lino tile floors through the rest of the building, roof insulation, painting of exterior woodwork, plastering of walls, and redecoration throughout. A new kitchen unit was installed. Electric wiring and fixtures were renewed. A new front porch was erected and new storm sashes and screens were fitted.

A frame porch was constructed at the Hoad residence.

The conversion of power from 25 to 60 cycle was completed, with new transformer banks at several locations.

Fire Protection Measures

In accordance with the Fire Marshal's recommendations, work was started in January on the construction of a new 500,000 gallon covered reservoir for fire protection purposes, serving the O.A.C. and O.V.C. areas.

All exit doors at MacDonald Hall, MacDonald Institute, and Mills Hall were adjusted to open outwards.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Installation of a new fire alarm system in MacDonald Hall, with warning signals in each bedroom, is nearing completion.

Obsolete air ducts throughout MacDonald Hall were closed in and panic hardware was installed on doors to the balconies on first, second and third floors at the rear of the building.

Soil Testing and Field Station (Holland Marsh)

An extension for the storage of implements and equipment was constructed.

Ontario Veterinary College, Guelph

Administration Building

An addition to the Administration Building, as mentioned in the previous year's Report, was constructed to provide an elevated lecture room for 126 students, and a classroom, 35' x 65', with laboratories and offices, and was completely equipped for the fall opening of classes.

Research Units (Gale Farm)

Steelox Hut C was remodelled, and alterations were made to the heating system.

General

The exteriors of six frame buildings were painted.

One loxstave hut was converted to provide new quarters for the Artificial Insemination Section, and equipped with a freezing unit.

Alterations were made to Building 405, providing living quarters for the Head Housekeeper, and the exterior of the building was painted.

Kemptville Agricultural College

All roadways throughout the College grounds were paved.

The roof on the Principal's residence was renewed.

Fluorescent lighting was installed in the Administration Building.

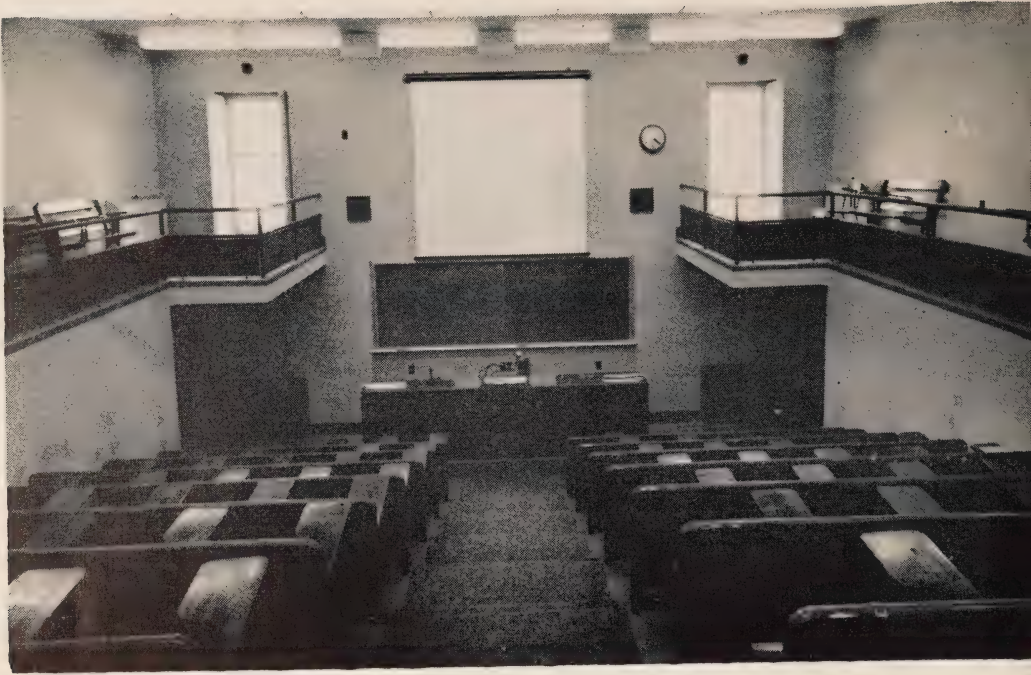
As referred to in the previous year's Report, two brick enclosed steel and terrazzo fire escapes were constructed at the rear of the Boys' and Girls' Residence, one to serve the boys' and one the girls' section.

Heavy electrical wiring services were installed in the dairy barns. The hot water tank in the boiler room was replaced.

New Liskeard — Demonstration Farm

Two farm residences were insulated and supplied with new siding, and the exteriors were painted.

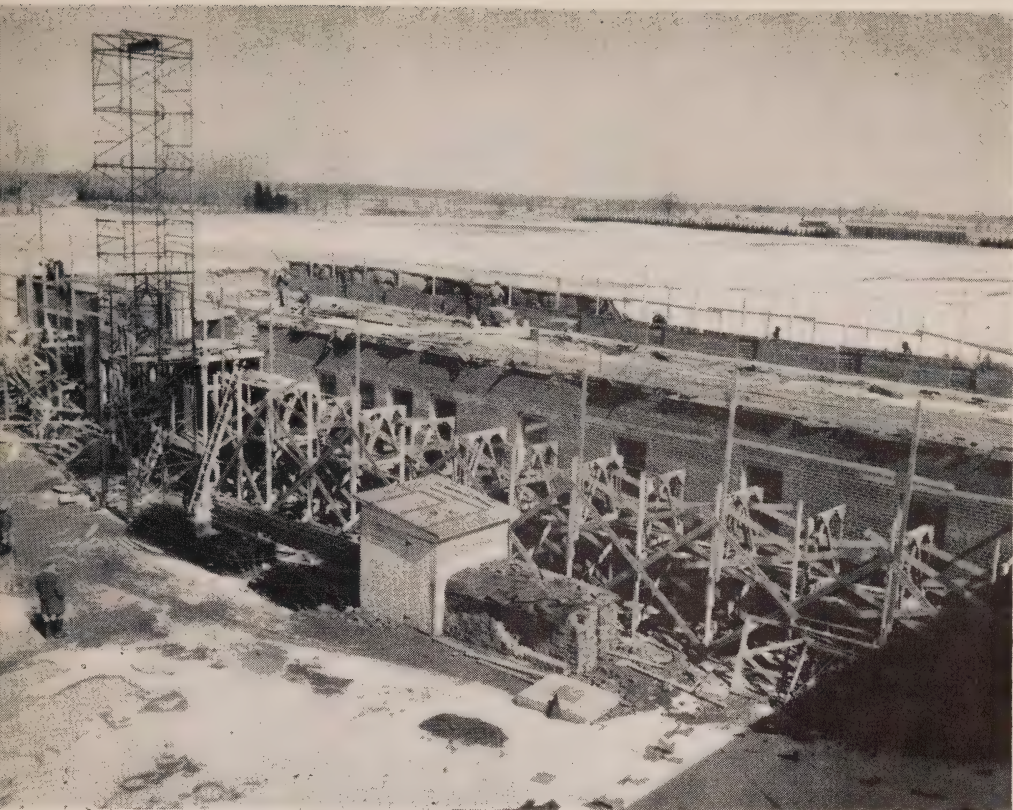
Storm doors were installed in the piggery.



An Interior View of the New Elevated Lecture Room
Administration Building
ONTARIO VETERINARY COLLEGE, GUELPH



The New Laboratory in the Administration Building
ONTARIO VETERINARY COLLEGE, GUELPH



View Showing Progress of Construction of the Addition to the Boys' Residence
EXPERIMENTAL FARM, RIDGETOWN

Ridgetown — Experimental Farm

The new three-storey Agricultural School building was completed in May, serviced, and equipped.

Work was approximately 50% completed on a two-storey and basement addition to the Boys' Residence, which will give added accommodation for 52 beds. Of fireproof construction, the new addition provides 26 beds and a common room on each of the first and second floors.

Vineland — Horticultural Experiment Station

Work was completed on the new one-storey addition to the laboratory.

For the
DEPARTMENT OF THE ATTORNEY GENERAL

ONTARIO PROVINCIAL POLICE BUILDINGS

Apsley

A one-and-a-half storey frame residence was purchased, altered and renovated to provide an office and living accommodation for the district police constable.

Atikokan

Two standard residences are under construction for Ontario Provincial Police personnel, and are approximately 65% completed. A new conversion type automatic oil burner was installed in the detachment building to change from coal to oil heating.

Bancroft

The Ontario Provincial Police residence, offices, cell block, and court room were redecorated.

Barrie

Three residences for Ontario Provincial Police personnel, referred to in the previous year's Report as under construction, were completed. Three additional residences were completed in August, 1955.

Beardmore

A new well was sunk adjacent to the original well, to provide an adequate water supply.

Blind River

Construction of a new detachment building is well advanced. The first of three Ontario Provincial Police standard type residences is substantially completed, and the foundation is poured and framework going up for the second residence.

Bond Lake

An oil fired hot water boiler, equipped with domestic hot water coil was installed, and a new water line run from the main building to the garages, with necessary piping and fittings installed in the garages. A deep well pump was installed.

Bracebridge

Additional office space was provided for the radio operator by alteration of the female cell.



A View Showing Progress of Construction of the New Detachment Office
BLIND RIVER

Britt (Still River)

The tile bed was repaired.

Burks Falls

Eavestroughing was installed on the new office addition, and landscaping work was carried out.

Central Patricia

A new coal stoker was installed.

Cochrane

Construction of sidewalks and driveways for the two newly erected residences was completed.

Dryden

Two standard type residences, referred to in the previous year's Report, were completed and occupied.

Ear Falls

A site was selected and surveyed, and ground levels were taken preliminary to the erection of a new detachment building.

Elk Lake

The heating system in the Ontario Provincial Police detachment building was converted from coal to oil. A new electric range was installed in the living quarters. The electrical installations were renovated, and plumbing and heating repairs were carried out. New concrete walk and entrance steps were constructed.

Englehart

General repairs were carried out to the Ontario Provincial Police residence.

Essex

Five standard type residences for the Ontario Provincial Police personnel, as referred to in the previous year's Report, were completed and occupied.

Foleyet

A new detachment building, combining residence, lockup, garage and car port, was constructed.

Gogama

A two-car garage was constructed.

Haileybury

Three standard plan residences were constructed for the Ontario Provincial Police personnel.

Hearst

An addition to the detachment building to provide added office space, and accommodation for public and private washroom facilities, referred to in the previous year's Report, was completed. An old garage was removed, and a new three-car garage erected. Landscaping around the new construction, sidewalks and driveways, were completed.

The existing heating system was extended to serve the new addition. Plumbing for the cells was renovated.

Hornepayne

The interiors of the detachment building and residence were painted, and water supply and septic tank systems were overhauled.

Ignace

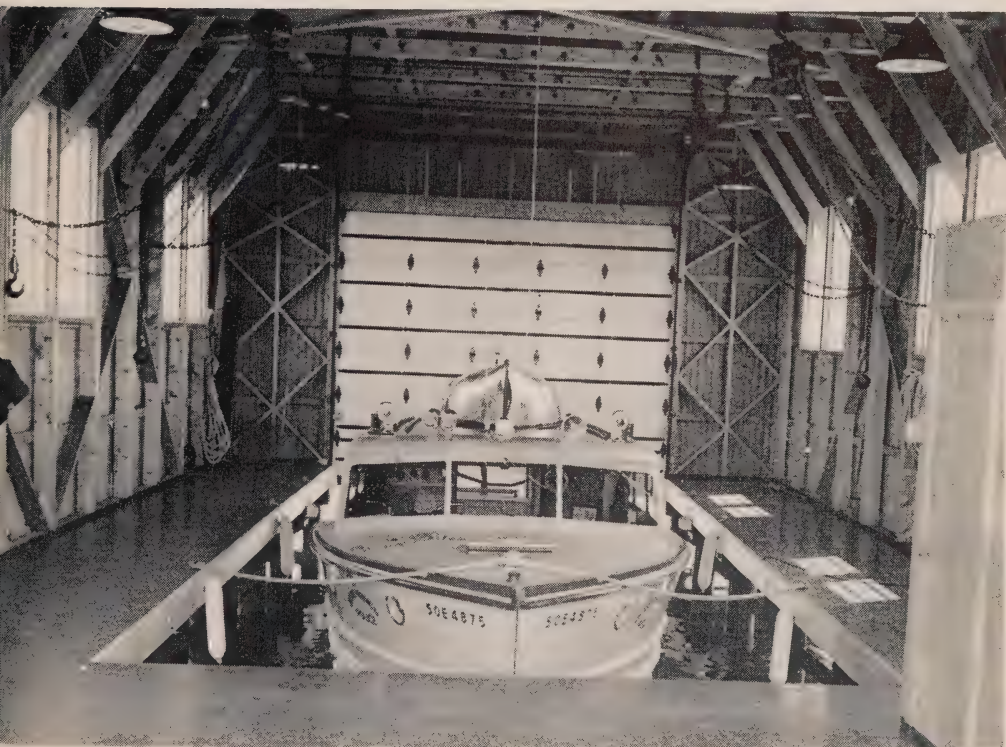
Construction of a detachment building comprising an office, court room, detention cell block, and attached residence, an additional separate residence, and a three-car garage, was completed.

Kaladar

Land has been acquired and site spotted, and drilling for water is in progress, preparatory to the erection of two residences.

Kapuskasing

Exteriors of two standard plan residences for Ontario Provincial Police personnel were painted, and landscaping work was carried out.



Exterior and Interior Views of Ontario Provincial Police Boat House
NORTH BAY

Kenora

A section of the District Inspector's residence was insulated.

Killaloe

A well to supply water was drilled and tested, and the site was prepared for the early erection of a detachment building. The property was fenced and graded, and driveway entrances from the highway graded and gravelled.

Matheson

Heating, plumbing, and general maintenance repairs were carried out at the detachment building. New prison type locks were installed. Minor repairs were carried out at the Ontario Provincial Police residence.

Mattawa

The exterior of the new Ontario Provincial Police residence was painted, and the grounds landscaped.

Minaki

Substantial repairs and renovations were carried out at the detachment building, damaged by a recent fire, and the building was reoccupied by the Ontario Provincial Police on October 31st, 1955.

Nipigon

The Ontario Provincial Police residence, and three-car garage, referred to in the previous year's Report, were completed and occupied.

North Bay — District Headquarters

Projects commenced the previous year, including alterations to the detachment building, and construction of a boathouse for the Ontario Provincial Police launch, were completed. A new lighted sign was installed at the detachment building.

Three residences for the Ontario Provincial Police personnel were constructed.

Oakville

Construction of six bungalow type residences for the Ontario Provincial Police personnel is under way. The houses are closed in and plastered, and trim is being installed. Oil fired hot air furnaces were installed, and plumbing for the six residences is approximately 60% completed.

Owen Sound

A residence was acquired, and completely renovated to provide offices for the Ontario Provincial Police detachment.

Pembroke

A new oil fired heating system was installed in the office buildings. Renovation of the offices was commenced in January and is approximately 75% completed.



View Showing Progress of Construction
ONTARIO PROVINCIAL POLICE RESIDENCES
OAKVILLE



A Residence Converted to Provide a Detachment Office
ST. THOMAS

Port Arthur

The four new three-room residences, as referred to in the previous year's Report, were occupied by the Ontario Provincial Police personnel.

Red Lake

A tar and gravel roof was installed on one section of the cell block and repairs were made to all cells and cell lock doors.

A new driveway was provided to give access to the rear entrance.

Repairs were made to the water supply lines.

St. Thomas

A bungalow type residence located on Highway No. 4, north of the city, was purchased and remodelled to provide the facilities for a detachment office, including full radio equipment, offices for the constables, corporals, typists, sergeant in charge, and a finger-print room which is also used as an interrogation room. There is also a furnished kitchen, two washrooms, and to the rear of the detachment building, a garage, heated from the main heating plant.

Sault Ste. Marie

Exterior painting was completed on the two new Ontario Provincial Police residences, and the grounds were graded and seeded.

Sebringville

Some interior painting was carried out.

Shabaqua

A site was secured and surveys made for the erection of a detachment building.

Sharbot Lake

A new heating system was installed for the combined detachment and residence building. The interior of the building was painted, and the exterior stuccoed.

Simcoe

The detachment building was completely renovated, the work including structural repairs and alterations, and painting throughout. A new roof was installed on the garage. The property was extended and landscaped, and the parking lot and driveways treated with crushed stone.

Three ranch style residences were constructed for the Ontario Provincial Police personnel.

Sioux Lookout

Two new residences, referred to in the previous year's Report, were completed, and occupied by the Ontario Provincial Police personnel.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Sioux Narrows

A new well was drilled to increase the water supply.

Smooth Rock Falls

Adjustments were made to the heating system in the detachment building.

Sudbury — District Headquarters

A new four-car garage was constructed at the rear of the Headquarters building. An old three-storey residence was dismantled to make way for the new building. Extensive grading was carried out at the Ontario Provincial Police parking lot in preparation for paving the area.

Temagami

The interior of the detachment building was redecorated. General repairs and repairs to plumbing and heating systems were carried out, and the septic tank was cleaned and repaired.

Repairs were carried out to the boat house, garage and single personnel living quarters, and the interior was painted.

Timmins — District Headquarters

Repairs to the heating systems in the Ontario Provincial Police residences were carried out.

Offices in the Headquarters building were painted, and repairs were carried out.

DISTRICT BUILDINGS

Cochrane North

Cochrane

Repairs were made to the brickwork of two heating boilers and two new stokers were installed in the Court House. A new incinerator was installed.

Kenora

Kenora

In the basement of the Court House, a security storage room with shelving, and a lockup cell room with plumbing facilities were constructed. A standard steel vault door was installed for the storage room, and offices were redecorated, for the use of the Ontario Provincial Police.

The driveway was paved and a new parking area provided.

A sanitary sewer was installed for the Registry Office.

Muskoka

Bracebridge

Landscaping work was carried out at the Registry Office, and new furniture was installed in the building.

The interior of the Court House was redecorated.

Nipissing

North Bay

The heating system in the Court House was converted from coal to oil. A new incinerator was installed, and extensive repairs to sewer lines from the building were carried out. The jurors' benches were replaced by twelve new chairs.

The heating system in the Registry Office was converted from coal to oil, and electrical services in the building were renovated.

Rainy River

Fort Frances

The heating system in the Court House is being modernized with the installation of two low pressure steel boilers, with stokers, and renovation of the piping system leading to the radiators. The roof over the main court room was repaired and insulated, and the chimney top was rebuilt. An extension to the garage building added space for another car. The Judge's retiring room was redecorated and refurnished.

New fitments were installed in the Mining Recorder's office.

Sudbury

Sudbury

The exterior of the Court House was painted, and a steel fence was erected around the landscaped area of the grounds.

Renovation of the plumbing included replacement of old water lines with copper piping, and installation of new fixtures in the washrooms.

Exhaust fans were installed in the boiler room.

Temiskaming

Haileybury

Renovation of the electrical services at the Court House was completed. A heating boiler was retubed, two hot water tanks were insulated, and further repairs were made to plumbing. Ten new storm sashes were installed, and a concrete sidewalk was laid to the Judge's chambers.

Basement walls, and areaways around basement windows of the Registry Office were waterproofed. A wooden walk was replaced with a concrete walk.



The New Land Titles and Registry Office
PORT ARTHUR

Thunder Bay

Port Arthur

The Judge's office in the Court House was redecorated and the furnishings renewed. Venetian blinds were installed in the main court room.

Installation of two new low pressure steam boilers with stokers, replacing older type heating equipment, is approximately 60% completed.

A new parking area at the rear of the Court House, and a new driveway, with curbing, fencing and drainage system, were completed, except for paving.

The new Registry Office building comprising one-storey and basement, under construction near the Court House, is approximately 90% completed. Hon. William M. Nickle, Q.C., Minister of Planning and Development, officiated at cornerstone laying ceremonies on September 15th, 1955. This new building of modern design and fireproof construction was deemed necessary to replace the former inadequate Registry Office building.

For the DEPARTMENT OF EDUCATION

Ontario School for the Deaf, Belleville

To meet the demands of an increased registration, work was carried out to provide two new classrooms in the basement.

Thirty-five classrooms were rewired, and equipped with fluorescent lighting, and acoustic ceilings were installed in five classrooms. The old flooring was removed and replaced with plywood and linoleum in one classroom, and worn sections of linoleum in the main corridor were replaced.

Three staff residences were re-wired. The transformer vault was remodelled, and a new underground duct system and high voltage cable were installed.

A recreation room was completed in the basement of the Girls' Residence to provide facilities for entertainment for pupils.

Ontario School for the Blind, Brantford

The programme of fire prevention work continued, and the Fire Marshal's recommendations have been fully carried out except for a fire escape from the dining room, and fire alarm thermostats in the paper room at the main building.

The main building interior was painted, storm drains for disposal of roof waters were laid, lights were installed in pipe chase, a new extractor was added to the laundry equipment, and improvements made in the boiler room included some new brickwork, cement patching, and repairs.

In the Boys' Dormitory the electrical wiring was renewed, and new shower and locker rooms were provided in the basement.

Plumbing repairs were carried out in the washrooms at the Girls' Dormitory.

General repairs were carried out at the Principal's residence, and the interior was painted. Steam lines to the Principal's and the Bursar's residences were insulated.

The barn structure was completely remodelled, and converted to serve as an office and stores building for the Department of Public Works. A septic tank was installed to serve the building.

Provincial Institute of Mining, Haileybury

A new asphalt shingle roof was installed, and general maintenance to building and services were carried out.



A View Showing Progress of Construction
TEACHERS' COLLEGE
HAMILTON

Provincial Institute of Textiles, Hamilton

A testing laboratory was installed in the main building.

Work is under way in connection with the electrical changeover from 25 cycle to 60 cycle.

Electrical work for the air conditioning system in the Yarn Testing Branch located in the renovated dye house and new addition was completed.

Teachers' College, Hamilton

On September 19th, 1955, ground was broken for the construction of the new Hamilton Teachers' College, on a site immediately south of McMaster University. To provide accommodation for 450 students, the two-storey building will be of fireproof construction, designed with stone facing, conforming to the style of the University buildings.

Work continued through the winter months, excavation and foundations being completed, electrical and plumbing services being brought in, and the project progressing favourably by the end of the fiscal year.

Teachers' College, London

New exit lights were installed in accordance with recommendations of the Fire Marshal.

Repairs and alterations were made to the plumbing and heating systems.

Teachers' College, North Bay

A new stage was constructed for the auditorium.

The programme for renovation of the electrical services was continued from the previous year, including installation of new fixtures.

A fire alarm system was installed.

New equipment added included a new ash hoist, an incinerator, two slop sinks, and a steam return drip tap. General repair and maintenance work was carried out.

Teachers' College, Ottawa

In accordance with the Fire Marshal's recommendations, renewal of electrical wiring throughout the College continued, and work continued also on the installation of a fire alarm system. Fluorescent lighting was installed in two classrooms. A dimmer panel was installed in the auditorium to control the stage lighting.

A basement room was altered and equipped to provide a lunch room for the students.

Renovation of the ventilating system was completed.

Teachers' College, Peterborough

A considerable amount of work was done implementing the recommendations of the Fire Marshal for fire prevention. The heating system was overhauled, with repairs to steam traps and pipe lines, and replacements of deteriorated equipment, including radiators and condensate return pump. The brickwork of Boilers 1 and 2 was repaired, a metal clad fire door and two fire escape doors were installed in the boiler room. A new oil burner for one boiler, and oil supply tanks were installed. Plumbing was renovated, and drinking fountains installed on three floors.

In the gymnasium located in the basement, new wooden stairs were constructed to ground level, and a fire escape door with panic hardware was installed. At the south-west and south-east staircases in the basement, and first, second and third floor corridors, smoke-proof partitions were installed, with self closing metal clad doors. A new steel fire escape was constructed from grade line to the third floor at the north-east corner, and connecting fire escape doors with panic hardware were installed at every floor. At the third floor a manhole was cut in the ceiling, and a pipe ladder installed to give access to the space under the flat roof.

Teachers' College, Stratford

A new stage, with dressing room provided, was constructed in the auditorium, and a new floor was laid. The auditorium including the ceiling, and adjacent rooms, were painted. The electrical wiring and lighting system was renewed.

Replacement of deteriorated wiring, as mentioned in the previous year's Report, was completed.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Teachers' College, Toronto (Carlaw Avenue)

Construction of this new Teachers' College, as referred to in the previous year's Report, was completed, and the building was officially opened on January 24th, 1956, by Hon. W. J. Dunlop, Minister of Education, assisted by Colonel the Hon. William Griesinger, Minister of Public Works.

The building was completed, equipped and staffed, and ready for the opening of the fall term on September 13th, 1955, with an enrolment of 600 students.

Teachers' College, Toronto (Pape Avenue)

Extensive repairs were carried out to exterior masonry, and roof, and interior plaster work on walls and ceilings.

Ryerson Institute of Technology, Toronto

A sprinkler system was installed.

For the

DEPARTMENT OF HEALTH

Ontario Hospital, Aurora

Construction of a one-storey addition to the garage building, as mentioned in the previous year's Report, was completed.

Repairs and replacements were made to the quarry tile in the kitchen, and in the washrooms on the first and fourth floors, and to the linoleum tile in the hallways. A domestic water booster pump was installed.

Ontario Hospital, Brockville

The general programme of construction, renovation and fireproofing in progress last year in the main building, continued and is nearing completion. Renovation of the old kitchen area was completed; patients' dining rooms, food serveries and dish washing rooms on the first, second and third floors were completed, and are in use. The four old dining rooms were converted to wards to accommodate an additional 48 beds. A new operating suite on the third floor was substantially completed. Two new service elevators are being installed, and patients' washrooms in the area adjacent are being renovated and modernized, the male side being approximately 50% completed, and the female side approximately 20% completed.

The new ward additions to the main building on both male and female sides replacing the old solariums, and referred to in the previous year's Report, were completed and occupied. Capacity of the old solariums was 32 beds, and is increased by the two new additions replacing them to 140 beds.

The renovation and fireproofing of six patients' cottages, two of which were started in the previous year, was continued, female cottages "A" and "B", and male cottage "D" being completed. Male cottages "E" and "F" were in the final stages of completion at the end of March, 1956, and work on female cottage "C" had commenced.

Accommodation at the Institution is being increased by a further 294 beds with the construction of two new continued treatment pavilions, for the treatment of disturbed patients. The two pavilions will be similar, one for male and one for female patients, and of 147 beds each. They will consist of three storeys and basement, and will be of fireproof brick and concrete construction. Physiotherapy treatment sections, mechanical rooms and stores, will be located in the basements, and the upper floors are divided into wards with single rooms on the top floor, and necessary plumbing and elevator services, dining rooms, serveries and dish washing rooms on each floor above the basement. A tunnel connects with the kitchen in the main building for the conveyance of food to the dining rooms on each floor.

Excavation for the female continued treatment pavilion commenced in December 1955.



A Section of the Patients' Dining Room in the Renovated Kitchen Area
ONTARIO HOSPITAL, BROCKVILLE

A new trades building for the hospital maintenance staff was constructed during this fiscal year, and now accommodates the shops previously located in the basement of the main building. The new building is of one storey and basement, 51' x 122', and is of fireproof construction throughout.

New modern machinery was installed in the new laundry building extension referred to in the previous year's Report. A new water softener and two hot water storage tanks were installed in this building to meet requirements of increased patient population.

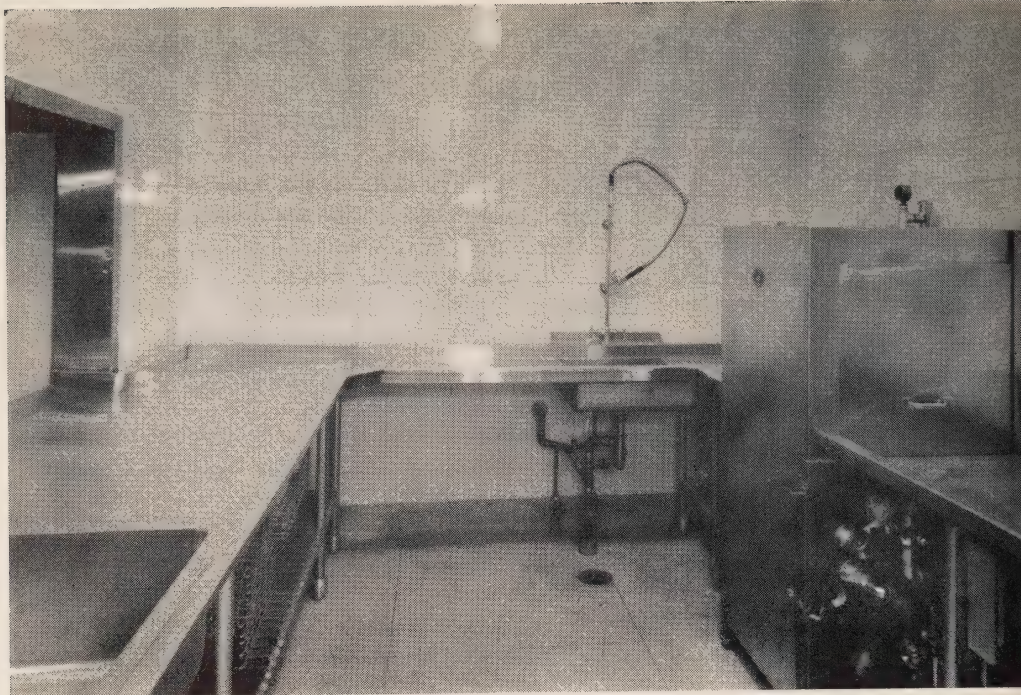
Considerable work was carried out on the improvement and extension of the plumbing, heating and electrical services, including general distribution to all buildings. Services for the new laundry extension were completed, and for the new cottages are nearing completion.

A diesel standby power plant and high tension switchboard were installed.

A new bull pen to accommodate two animals were constructed with concrete foundation and floors, wood roof, and asphalt shingles, replacing an old wooden building.

The main cow barn and adjoining buildings at Stag Farm were completely rewired to remove fire hazard.

A new hot water heating system was installed at Falcon Acres Farm, replacing an obsolete steam system.



New Dishwashing Room in the Renovated Kitchen Area
ONTARIO HOSPITAL, BROCKVILLE

Ontario Hospital, Cobourg

In continuance of the fire prevention work at the Institution, an extensive programme of renovation of the plumbing, heating, and electrical services, including new installations, was carried on in the main building, boiler room, laundry, and all cottages, and is approximately 90% completed.

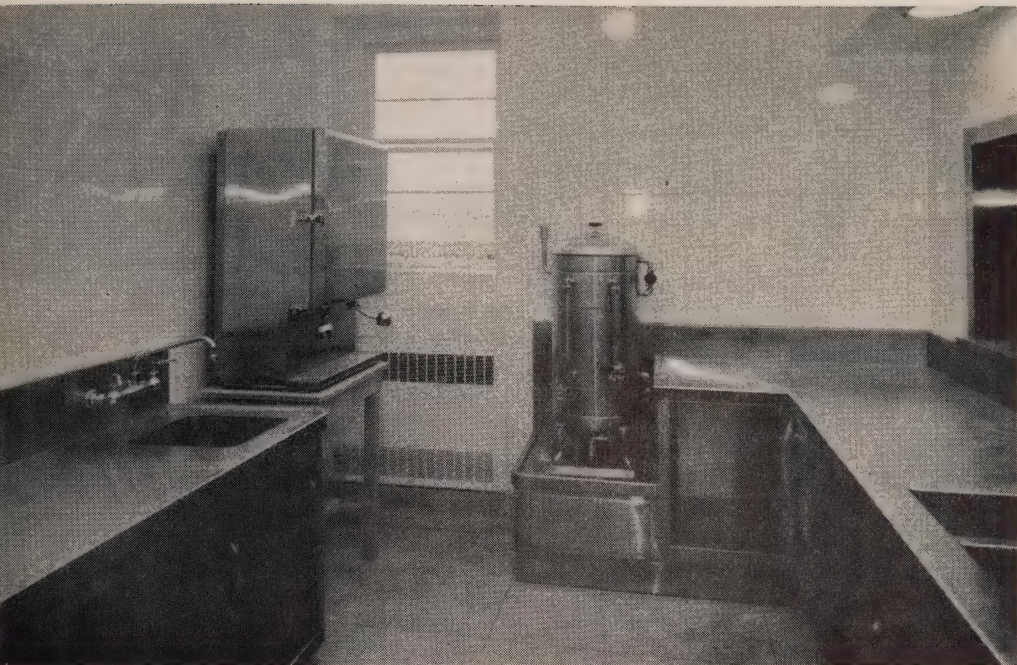
The electric wiring in the auditorium and laundry buildings was renewed, and fluorescent fixtures were installed. The distribution panel in the old boiler room was renovated.

Light and flame proof drapes were installed on all windows in the auditorium.

A fire alarm system serving all buildings is being installed and is approximately 80% complete.

All open ceiling wood joists in basements under Wards 3, 4, 5 and 6 were covered with double thickness fire resistant plaster board, and fire prevention bulkheads were installed and insulated in the attic spaces above the wards.

A new boiler with automatic stoker was installed in the boiler room and connected with a 2" steam main to the kitchen. Hot water storage tanks and water softener were installed in the new laundry addition. Work in the cottages included the renovation of all heating and



New Food Servery for the Patients' Dining Room
ONTARIO HOSPITAL, BROCKVILLE

plumbing lines, fixtures and tiling. Boiler, tanks and piping were insulated. The plumbing renovation programme is approximately 75% completed.

The basement walls of Wards 3 and 5 were waterproofed.

Ontario Hospital, Concord

A new steel roof was installed on the cow barn.

Ontario Hospital, Hamilton

Cold Storage Building

The cold storage building, consisting of two-storey cold storage and plant sections, and a one-storey paint storage section, was enlarged by the addition of a second storey to the westerly paint storage section, to accommodate a paint shop. A fire-escape type stair was constructed on the exterior of the building to give access to the new portion, and work proceeded on the remodelling and fireproofing of the entire building. The centre section, formerly the ice making plant, of brick veneer construction, was demolished and rebuilt in fireproof construction, and will be finished with tile floors and dados, work on this section being still in progress. The cold storage section located at the easterly end of this building was remodelled with solid brickwork, terrazzo floors and tile dados, the second floor being completed while interior work on the main floor continues. A dumb waiter was installed.



An Interior View of the New Male Ward Addition
ONTARIO HOSPITAL, BROCKVILLE

Dairy Building

A new dairy building, of brick construction supported on a reinforced concrete foundation, was erected to replace the old building, which was demolished. It may be mentioned the installation of equipment is in progress.

Infirmery Building

Stainless steel sinks and drain boards were installed in the diet kitchens on the first and second floors. Work is in progress on the installation of two new 36" x 96" hot water storage heaters, replacing obsolete equipment.

New x-ray equipment was installed.

Main Building

A new passenger elevator was installed. Two food elevator shafts to the male and female dining rooms were constructed and installation of the elevators is under way.

To provide additional washrooms, two four-storey additions, one to the male wing and one to the female wing, are being constructed.

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The old wood framing of the refrigeration rooms in the main kitchen was replaced with brick, steel and concrete, and floors and walls were tiled. Shelves and storage racks, and modern equipment were installed.

The frame constructed centre wall to the dining rooms, and the old wooden stairs were removed and replaced with brick and concrete, the new stairs in terrazzo.

The wooden floor and joists in Ward 13 dining room were replaced with quarry tile floor supported on steel and concrete.

Mortuary Building

As mentioned in the previous year's Report, a new mortuary building was erected at the rear of the infirmary, and a raised sidewalk constructed to connect the two buildings.

Orchard House

Construction of a three-storey addition to provide more adequate male and female washroom facilities was substantially completed.

Exterior woodwork was painted, and repairs were made to brickwork, roof, eavestroughing and down pipes. Storm sewers at down pipes were dug out and renewed.

The steam and hot and cold water service mains for the building are being renewed, and supported on steel "I" beams, the work being approximately 85% completed.

Old radiators were replaced with new convector type.

General

Construction work for the electrical change-over to 60 cycle was completed and all buildings in the Institution are now serviced through the main switch room. Underground ducts to the various buildings, and switch gear in the main switch room and new transformer rooms at Orchard House, main kitchen and Infirmary Building were installed. Renewal of all service lines to all buildings is proceeding.

A collapsed sewer outfall at mountain brow was reconstructed.

A new 8" water main was laid from Brantdale Avenue and Fifth Street to the reservoir, with a return supply line in the same trench from the boiler house pumps to the site of the proposed 600-bed extension. Five new hydrants were installed as a fire protection measure.

Ontario Hospital, Kingston

New 500-Bed Hospital Group

Ground was broken in September, 1955, to start construction on the administration and active treatment block of a new 500-bed hospital group for the Ontario Hospital, Kingston. The active treatment wing provides for 100 beds, and the group includes also, two infirmary buildings



A View Showing Progress of Construction of the New Male Infirmary Wing
ONTARIO HOSPITAL, KINGSTON

of 200 beds each, a kitchen and dining hall building, and connecting passages; and auditorium, gymnasium and occupational therapy centre.

The buildings are of fireproof construction with reinforced concrete foundations, structural steel framework, reinforced concrete floor and roof slabs, and brick exterior walls, with tile backing.

Administration, Reception and Active Treatment Block

The administration and reception building will consist of ground, first and second floors. It will have administrative offices on all floors, and in addition the ground floor will accommodate waiting area, health service rooms, lecture, demonstration and conference rooms, laboratories, and telephone and electrical equipment rooms. On the first floor will be located doctors' offices, examination and interview rooms, medical library and board room, and medical records; and on the second floor, medical records storage, and office staff lounge.

In the connecting wing there will be library, lecture and storage rooms, staff lounge, and nurses' rest and locker room. This wing connects the administration and reception building with the four and five floor active treatment wings in the rear.

The active treatment wings will have scientific treatment rooms, operating rooms, laboratories, medical museum, autopsy room, doctors', students', nurses' and technicians' rooms and lecture amphitheatre, patients' wards and day rooms, dining rooms and serveries, visitors' rooms, dispensary, storage, locker room and washroom facilities.

Excavation for the administration and active treatment block was well advanced.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Pouring of wall footings commenced on Wing "A" of the Active Treatment Section. Earth and rock excavation for the reception and administration buildings was completed.

Infirmary Buildings

Beyond the active treatment building are the two infirmary buildings, and between them the kitchen and dining hall building, with connecting passages. The two infirmary buildings, one for female and one for male patients, are almost identical in plan, consisting of two storeys and basement. Each has two long wings containing the patients' wards, and a similar wing at their junction with control centre, elevators, treatment rooms, work rooms, serveries, occupational therapy rooms, isolation ward, and interview rooms. Each infirmary is designed for 200 beds.

At the male infirmary, excavation and all concrete work, and erection of steel, were completed, and approximately 70% of the first floor slab was poured.

At the female infirmary, excavation and concrete work were approximately 75% completed, and work started on the erection of steel.

The dining hall and kitchen building will contain two patients' dining rooms with seating capacity of 200 each, a smaller dining room and lunch room for the staff, dietitian's office, locker rooms and washrooms for kitchen staff, and a stainless steel equipped kitchen capable of feeding 1,500 persons per day, with bread and pastry bakeries, refrigeration rooms, storage rooms and truck dock.

Hot water heating will be supplied from a central heating plant located on the hospital grounds.

Laundry Building (New)

Construction of a new laundry building located east of the existing main buildings was well advanced with brickwork approximately 50% completed. The main floor of this building is allocated for modern laundry equipment, sterilizing rooms, an office, and washroom facilities for the staff. The basement provides for equipment and storage rooms.

Power House (New)

A new power house was constructed, with boiler room, maintenance office, standby electric generator and transformer room, and an incinerator on the main floor, and coal handling equipment located at roof level. Two boilers were installed and tested, and installation of the third is in progress. Erection of the coal bunker is proceeding, and heating and electrical services are substantially completed.

Mowat Division

Foundations, joists and floors of Cottage No. 7 were renewed.



A View Showing Progress of Construction of the New Laundry Building
ONTARIO HOSPITAL, KINGSTON



The New Power House
ONTARIO HOSPITAL, KINGSTON

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Newcourt Farm

A new cow barn, of laminated wood and concrete block construction was built and equipped. Electrical services were installed.

Rockwood Division

Ward 9, including auditorium, lecture room, staff dining rooms and offices, was completely renovated, in continuance of the fire prevention programme.

The easterly and westerly centre support beams were rebuilt with reinforced concrete support beams, and attic and roof trusses were reconstructed. A steel staircase was erected at the north end of the auditorium, and steel clad doors were installed. Terrazzo floors were laid, and walls were tiled and plastered in the auditorium. The location and size of windows in the assembly hall were changed. Extensive renovation work was carried out on plumbing, heating, and electrical installations. The dining and dormitory areas are being shingled.

Walls and frames of two greenhouses were rebuilt.

No. 2 boiler was scaled and retubed. Repairs were made to boilers Nos. 1 and 5.

A new hot water storage heater was installed to supplement the existing laundry supply.

General

The main chimney at the south end of the main building was rebuilt.

The sewage disposal plant was cleaned out and overhauled, and new manholes and a new outfall to the lake were completed.

Attic space over a garage on the hospital property was remodelled and converted for Department of Public Works office use, and was occupied by personnel transferred from offices in the Ontario Government Building, Kingston, turned over to the Department of Highways.

A retaining wall was constructed between the new laundry and the sewage plant.

Tunnel T2 was built from the new power house, and Tunnel T3 from the old power house, to the laundry. Sewers and manholes were relocated to make way for the new tunnels.

Ontario Hospital, Langstaff

New aluminum roofs were constructed on the cattle and horse barns.

The interior of the farmer's residence was redecorated.

Work on the renovation and extension of the sewage disposal system to meet growing requirements was well advanced. The plumbing was renovated and new fixtures were installed. A rebuilt laundry machine was installed. An oil burner was installed in the greenhouse boiler room.

A three-phase electrical service was installed in Buildings "A" and "B".

Ontario Hospital, London

The renovation and modernization of the food service centre, as referred to in the previous year's Report, was completed, and the re-equipped centre, occupying the first and second floors of the main building, was turned over to the Department of Health, October 14th, 1955.

Large chimneys on the main building, the old cannery building, and the greenhouse, were removed, and chimneys on several smaller buildings were repaired and repointed.

Exterior woodwork, screens, eavestroughing and downspouts on the main building were repaired, and the exterior of the building was painted.

Space for a new washroom in Ward 9 was remodelled and equipped.

Smoke barriers were installed in the main stairways, and fire breaks were completed in the attic of the admittance building, in furtherance of the fire prevention work programme.

New floors were laid in the blacksmith shop, and plumbing and heating installations carried out.

Construction of a new brick and concrete root house and granary building was completed. The building is of two storey with the first storey designed for the storage of vegetables, and the second storey for grain.

A new hot water storage heater was installed at the main building. Refractory repairs were made to all six H R T boilers. Repairs were carried out to two hot water storage heaters in the laundry. Old hot water mains and branch lines in the north building were replaced.

Steam warming tables were installed in Wards 1, 2, 3 and 5 of the North Building.

The wiring system of the entire hospital is being overhauled.

A new grounds lighting system was completed and is in service.

A new water tank is being erected, to replace the old one.

Ontario Hospital, New Toronto

A new roof was installed on the Superintendent's residence.

Acoustic tile ceilings and new lighting fixtures were installed in two offices at the administration building, and the offices were redecorated.

A 7' wire fence was erected along the east property line.

Renewal and insulation of plumbing installations in all buildings progressed, and was completed for Buildings 3 and 4, and for showers in Cottage "B".

A high voltage switchboard and diesel generator were installed in the power house.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Health Clinic, North Bay

A garage for the X-ray equipment truck was erected at the rear of the building.

The exterior, and some interior rooms, were painted. A new pump was installed for the heating system.

Ontario Hospital, North Bay

Ground was broken on February 22nd, 1955, for the first of nine buildings, and connecting passages, for the new 1,200 bed Ontario Hospital, North Bay, the corner stone being laid for the administration building on November 15th, 1955, by the Prime Minister, Hon. Leslie M. Frost, assisted by the Minister of Health, Hon. Mackinnon Phillips, and the Minister of Public Works, Hon. William Griesinger.

The buildings are of steel and concrete construction, faced with brick, and stone trim, fireproof throughout, and embodying the most modern in hospital design, the plan being basically the same as that of the Ontario Hospital recently opened at Port Arthur.

The group consists of administration building, kitchen and office building, two male pavilions, two female pavilions, nurses' residence, power house, laundry building, and connecting passageways.

Early completion of the power house structure, and the installation of two boilers for temporary heating made it possible to continue the work through the winter months on all but two units of the project. An enclosure for the protection of masonry and concrete work for the kitchen and office building was provided, and with the exception of the administration building and the nurses' residence, all other buildings were roofed and closed in, and work on the interiors proceeded.

Construction work on the various units has progressed as follows:

Administration Building

For the administration building, of one storey and basement, foundations were completed, the structural slab was poured, and all structural steel erected. Exterior masonry and stone work has progressed above the main floor slab.

Kitchen and Office Building

The exterior masonry for this two-storey and basement building was completed, and the roof slab poured. Installation of metal sash for the first floor was completed. Interior partitions and exterior wall furring tile are 75% completed.

Laundry

All masonry work was completed for the laundry building of one-storey and basement, and the building was closed in. The terrazzo floors and plastering are completed, electrical fixtures are installed, and the building is ready for the installation of machinery.



An Aerial View Showing Progress of Construction on the
Main Block of Buildings
ONTARIO HOSPITAL, NORTH BAY

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Nurses' Residence

For the Nurses' Residence, to consist of five storeys and pipe space, the foundation was completed and the ground floor slab poured, and the erection of the exterior walls started.

Connecting Passages

On seven of the eight connecting passages, roof and floor slabs were completed, steel sash and glazing were completed, and roofing is well under way.

Pavilion F-1

Pavilion F-1, of two storeys and basement, was closed in and glazed, and roof and penthouse were completed. Work continued on installation of service lines.

Pavilion F-2

At Pavilion F-2, of two storeys and basement, the roof slab was poured, and roofing was approximately 75% completed. Steel sash was installed and glazing completed. Exterior masonry for the penthouse was completed. Work continued on interior structural tile partitions and furring tile, which were approximately 70% completed.

Pavilion M-1

At Pavilion M-1, of two storeys and basement, the roof slab was poured and roofing was in progress. All steel sash was installed and glazing was completed except for inside puttying. Interior structural tile partitions and furring tile were approximately 85% completed. Work continued on roughing in for plumbing and electrical fixtures.

Pavilion M-2

At Pavilion M-2, of two storeys and basement, walls and roofing were completed, all steel sash was installed and glazed, interior structural tile partitions and furring were completed, and lathing was approximately 90% completed. Approximately 30% of radiation was connected.

Power House

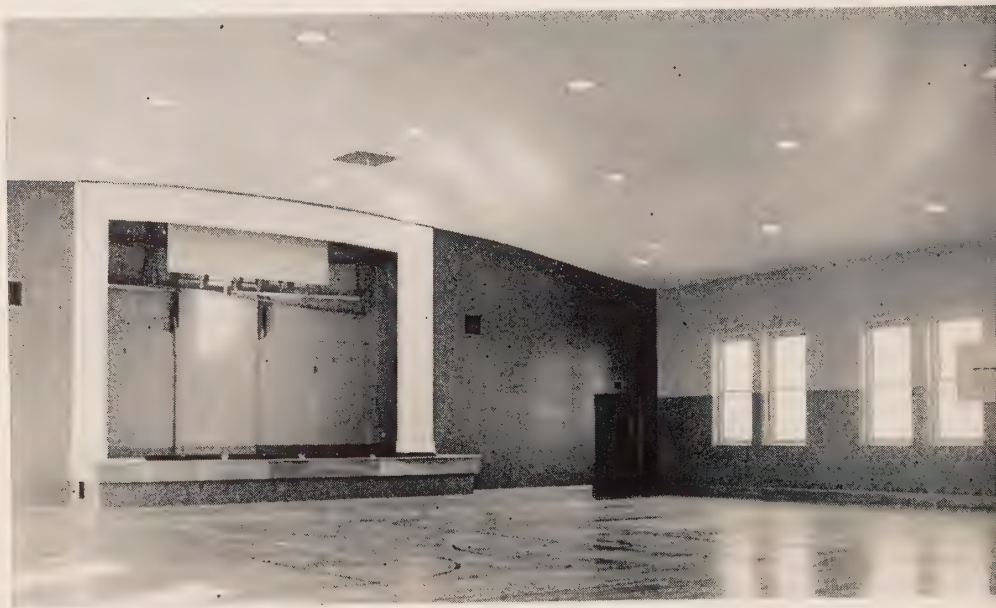
The superstructure of the building was completed. Two boilers were installed and put into operation to provide temporary heating. All transformers and power panels are installed, and installation of plant equipment continued. Breeching was installed, and work continued on firebrick lining. Incinerators were installed.

General

To provide a water supply for the Institution, two wells were drilled to rock, 4,000 feet north of the power house, yielding in excess of 280 imperial gallons per minute each on sustained tests, which is considered adequate for present requirements. A 10" water main was laid from the wells to the location for an underground reservoir in the vicinity of the power house. An access road from the well site to the hospital property was cleared and graded.



The Patients' Dining Room in the Amusement Hall After Fireproofing
ONTARIO HOSPITAL, ORILLIA



Interior View of the Amusement Hall After Fireproofing
ONTARIO HOSPITAL, ORILLIA

Work started in January, 1956, on construction of storm and sanitary sewers, and approximately 1,800 feet of storm sewer, and 4,200 feet of sanitary sewer, were laid. The work is continuing.

Excavation work is nearly completed for a new sewage disposal plant, and pouring of concrete footings and walls is progressing.

Ontario Hospital, Orillia

Amusement Hall Building

In continuation of the general fireproofing work programme the old wooden construction of both floors and roof of the amusement hall building was removed, and steel and concrete construction for the first floor classroom, passage, and dining room, and the second floor amusement hall, was completed. The roof was rebuilt, insulated and covered with asphalt. Walls and ceiling were stripped and refinished, and a hardwood floor was laid on concrete base. Heating and lighting installations were rearranged and renewed, and the stage, proscenium, and projection room remodelled. Fire door hardware was renewed.

The classroom and dining room on the ground floor, for Cottage "D" patients, and the dividing corridor, were stripped, floored with terrazzo, and walls and ceilings refinished. A servery and dishwasher were installed for the dining room, and other service space finished and equipped. Two large workshops in the basement were also renovated. The building, fireproofed and re-equipped, was turned over to the Department of Health in January, 1956.

Boys' and Girls' Hospital

Replacement of the mastic floors of this building with terrazzo was completed. The dental clinic and x-ray rooms, with dark room and small laboratory, were rearranged. Electrical installations in the operating room were completed, including new operating ceiling light, and non static floor finish. The heating system was renovated.

Children's Dormitory and Reception Group

This group of buildings, referred to in the previous year's Report as the New Dormitory Group and Reception Building, was completed, equipped and furnished, and occupied by the Department of Health in August, 1955.

Isolation Hospital Unit

The new isolation hospital unit, as referred to in the previous year's Report, was fully completed and occupied by the Department of Health in August, 1955.

General

Fireproofing of the main corridor from the amusement hall building eastward through the administration offices was carried out with the replacement of the wood joists with precast concrete slabs, laying of terrazzo floor, refinishing interior, and the installation of new lighting. Similar work is in progress in the corridor leading south from the east end of the main corridor, into Cottage "O"; physiotherapy and electro-

encephalography rooms, sewing and upholstery repair shops, electrical, steam fitting, and mattress storage rooms in the basement; and in the former staff dining area on the ground floor, offices for the Bursar and staff, class rooms and washrooms.

Renovation of the plumbing and heating systems in Cottage "D" is approximately 50% completed.

Equipment of the food preparation section, mentioned in the previous year's Report, was completed.

The electrical distribution system for the kitchen was renovated and provision was made for electric cooking. Electrical installations in barns, machinery storage shed, and blacksmith shops were renovated. A new electric transformer room was constructed, attached to the central service section.

Two bull pens in the cow barn were paved, and an area adjacent to the cow barn, 50' x 375', was graded, backfilled and surfaced with concrete.

The old ice house was converted to provide accommodation for the Department of Public Works stores, and fitted with storage bins and racks.

Work was carried out in the preparation of the site for a new power house, and an adjacent coal storage area.

Ontario Hospital, Penetanguishene

Construction of the new paint shop, and installation of the new boiler, mentioned in the previous year's Report, were completed.

Ward 3 was completely renovated with the laying of terrazzo floors, plastering of walls and ceilings, painting, and installation of radiant heating.

The boiler room was renovated and painted, and ash removal equipment was installed.

A new 15,000 lb. per hour steam generating unit, two centrifugal condensation pumps, condensate receiver tank, steam driven boiler feed pump, blow down tank, combustion control equipment, coal hoist and stoker, boiler metering equipment, piping, breeching, and insulation were installed in the power house. The old Nos. 1 and 2 boilers were dismantled.

A new central distribution station was erected to house new high voltage switchboard, transformer vault and standby diesel generator set, and equipment was installed.

Branch circuit wiring in the Criminally Insane Building was replaced.

Ontario Hospital, Port Arthur

Pavilions F-2 and M-2, as mentioned in the previous year's Report, were completed and turned over to the Department of Health. Landscaping work and construction of sidewalks at the front of these two pavilions were completed. Landscaping of an area of approximately 140,000 square feet adjacent to the administration building was completed. Approximately 50% of the sidewalk construction at the rear of the four pavilions was completed.

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Construction of pasageways between the kitchen and reception building, and pavilions F-1, F-2, M-1 and M-2, at the first and second floor levels was completed.

Work on the erection of a new electrical sub-station adjacent to the power house is approximately 50% completed. This unit will handle the entire electrical power supply for all buildings of the project, as well as the generators for emergency power supply.

The administration building was completely renovated, equipped, and refurnished. Old type lighting fixtures were replaced with modern fluoescent type, and electrical services were renovated.

The concrete ramp at the rear of the building was removed and new entrance steps and platform were constructed.

Ontario Hospital, St. Thomas

An addition to the kitchen wing was constructed to provide a milk pasteurizing plant. New pasteurizing equipment was installed, including plumbing and steamfitting work.

Repairs were made to Nos. 2 and 3 water tube boilers, including plant equipment.

Ontario Hospital School, Smiths Falls

Group "A" Buildings

Pavilion F-3 included in this group of buildings, temporarily occupied by administration offices, was vacated, renovated and re-equipped and restored to its original intended use as a residential pavilion. The x-ray department, school rooms, lecture rooms and pharmacy stores were removed to their permanent locations.

Two electric dumb waiters were installed in the laundry units of the male and female bath houses.

Group "A-1" Buildings

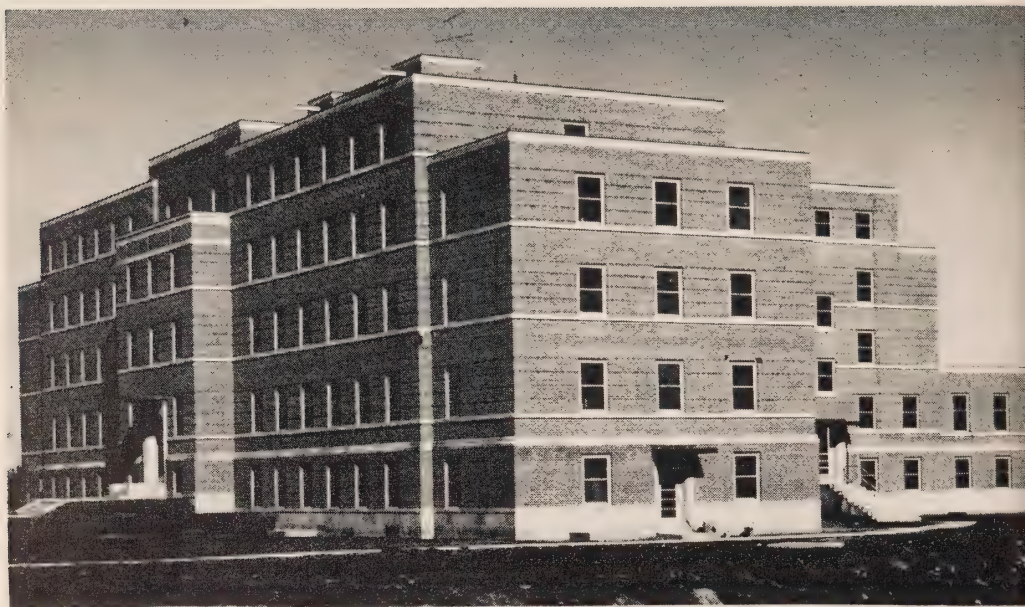
Kitchen facilities were substantially increased by the installation of additional equipment. Construction of a new garbage refrigerator and can sterilizing room is approximately 75% completed, and will provide additional kitchen space. A former stores office was converted for us as a bread room. New equipment was installed, and existing equipment rearranged in the expanded kitchen area, including bakery, butcher shop and bread room.

Group "A-2" Buildings

Electric dumb waiters were installed in the laundry units of the male and female bath houses.

Group "A-3" Buildings

Installation of equipment in the domestic science training department in the vocational training wing was completed.



A View of the New Nurses' Residence
ONTARIO HOSPITAL, SMITHS FALLS



View Showing the Auditorium, School and Administration Building
ONTARIO HOSPITAL, SMITHS FALLS

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Group "A-4" Buildings

An electric garbage hoist was installed in the incinerator room.

Group "A-5" Buildings

Installation of the special hospital equipment required for the medical, clinical and surgical unit was completed, and the buildings were turned over to the Department of Health.

Stainless steel sinks and work counters were installed in diet kitchens and work rooms. Concrete ramps leading from exterior doors were extended to facilitate handling of wheel chairs. Equipment was installed in the morgue and autopsy room. The fire alarm system was completed and tied into the main trunk lines.

Group "A-8" Buildings

This new four-storey nurses' residence was completed and fully equipped. Final adjustments were made to elevators, the fire alarm system, and other installations. Sidewalks were completed, and the grounds were landscaped. A parking lot was laid out adjacent to the nurses' residence, and the surface gravelled.

Group "A-9" Buildings

The new administration building, school and auditorium and gymnasium building were completed during this fiscal year, and turned over to the Department of Health. The fire alarm system for the protection of all buildings in the group was installed, and electrical, plumbing and heating services were completed. All buildings were completely equipped and furnished.

General

Roads into and around all buildings of the Institution, and the access road leading from the highway to the Institution proper, were graded, treated with calcium chloride, and in some cases given a topping of crushed stone or gravel. The road south of the administration building, and giving access to it, and the road to the west of the nurses' residence, were graded and given a topping of pit run gravel.

The automatic fire alarm system serving all buildings is well on the way to completion.

Improvements were made to the drainage system, including the construction of ditches along the southerly side of the entrance road. Catch basins and manholes were installed at several points, and piping was completed.

A parking lot was provided to the west of Group "A-5" buildings to provide parking facilities for approximately 150 staff automobiles.



An Aerial View Showing the Old Buildings and the
New Administration and Reception Wing in the Foreground
ONTARIO HOSPITAL, TORONTO



A View Showing the Enlarged Power House
ONTARIO HOSPITAL, TORONTO

Ontario Hospital, Toronto (999 Queen Street West)

A new elevator was installed at the easterly end of the main building.

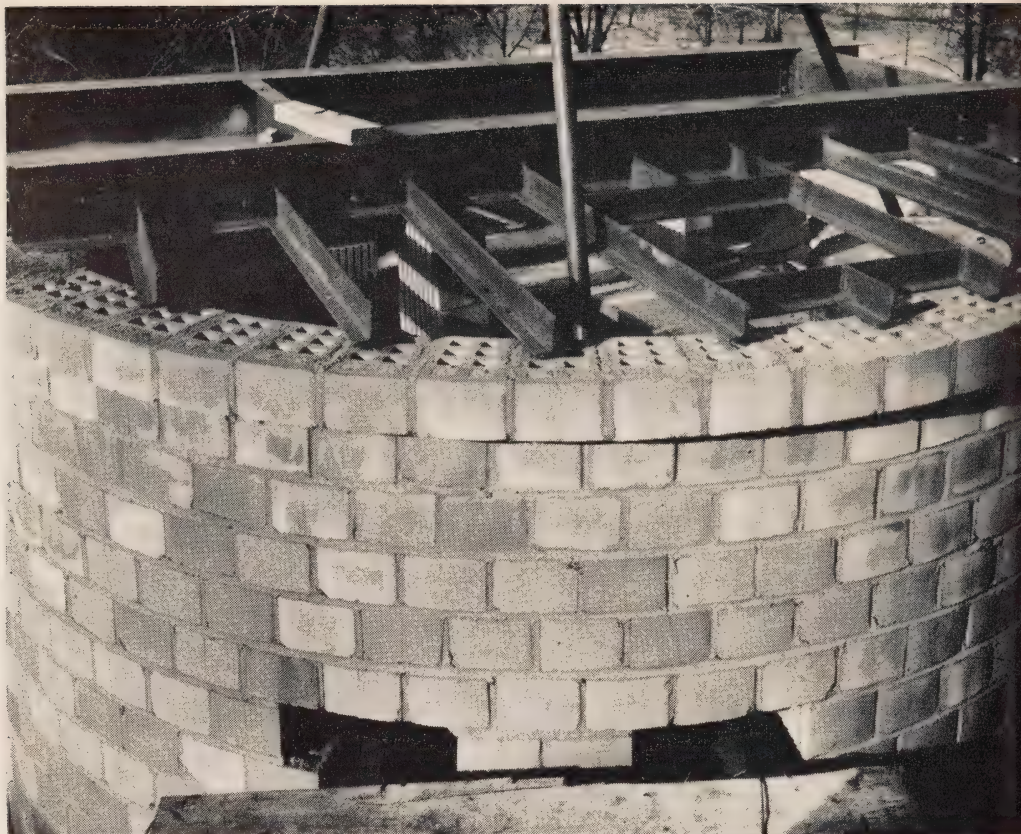
Extensive repairs were made to the pillars supporting the east and west end solariums.

The remodelling of ward washrooms on all floors at the easterly and westerly ends of the main building was carried out, with extensive masonry alterations, and renewal of plumbing installations and fixtures.

New birch slab doors, in steel door frames, are being installed in Ward 6-B.

Piping for water services throughout the Institution was renovated.

The progressive programme of plumbing renovation throughout the Institution, including the installation of new fixtures, is approximately 50% completed.



A View Showing Construction Details of the Stack at the Power House
ONTARIO HOSPITAL, TORONTO

New Addition

The new administration and reception unit addition, as described fully in the previous year's Report, was completed, and was taken over for occupancy by the Department of Health on February 2nd, 1956.

Power House

A new power house, 67' x 77', was built, of steel frame and brick construction, similar to the new administration building, with, in addition to the boiler room, an office and washroom for the engineers. Two new boilers were installed, with provision for a future third boiler. The first new steam generator was cut into the system in December 1955, providing steam services for the new administration and reception unit. Coal and ash handling equipment was erected, and housed in separate structures adjacent to the power house.

A new incinerator was installed.

Central Laboratory, Toronto (360 Christie Street)

Extensive changes were made to the serology and enteric sections of the laboratory, including rearrangement of partitions, construction of new laboratory benches, and installation of sinks and fixtures. The

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plumbing and heating services for the main laboratories in the pavilion building were renovated. New unit heaters were installed.

A service elevator was installed in the women's section of the main building.

Conversion of the electrical services from 25 to 60 cycle is proceeding. A new system of underground power ducts and cables to existing distribution centres was installed. All surface mounted wire is being replaced with concealed circuit. New fixtures are replacing the old, and new panels are being installed.

Psychiatric Hospital, Toronto

A one-storey addition, 18'x60', was built on the northerly side of the building to provide x-ray room, dark room, x-ray viewing room and electroencephalography room.

A diesel generator standby unit was installed for auxiliary electrical supply.

Cupboards, shelving and partitions were constructed at various locations in the main building. Plumbing renovations are in progress and are approximately 70% completed.

The passenger elevator was renovated.

Outdoor electrical fixtures were installed for illumination of the building and grounds. Fluorescent fixtures were installed in administration and staff offices, and receptacles in corridors for electrical equipment.

Ontario Hospital, Whitby

Dining Hall

Quarry tile floors in kitchens and refrigeration rooms of Dining Halls Nos. 1 and 2 were repaired. A partition was erected and steam tables were installed for the men's and women's kitchens.

Farm Buildings

Extensive storm damage to the exterior walls and roof of the implement shed was repaired, and the building was equipped with ten large sliding type doors.

The roof of the cow barn was repaired, and two chicken houses were resingled.

The farm building window frames and exteriors were repaired and painted.

Patients' Cottages

Deteriorated plumbing was renewed in Cottages Nos. 1 to 10, including installation of copper piping and new fixtures. The plumbing renovation programme for the cottages is approximately 60% completed. Heating pipes were renovated in cottages 1 to 12, the heating renovations being approximately 85% completed. Tiling in all washrooms and shower

rooms was repaired, and new tile floorings was laid on the first and second floors of Cottage 7. Cottage roofs were repaired. The wiring in all cottages was inspected.

Power House

A new addition to the power house to house a transformer room is under construction, and is approximately 80% completed. The building consists of one storey and basement, of steel, concrete and brick construction.

The interior walls of the existing power house were repaired and refinished with concrete applied on wire mesh. Steel framework and ceiling were cleaned and painted. A wire enclosure was erected for the protection of plumbing and steamfitting materials and to provide a workshop.

General

Approximately 95% of new equipment for the laundry building is installed.

Spanish tile roofs of various buildings were repaired.

Repair of sidewalks and road curbs is approximately 75% completed. An asphalt paved parking area was constructed between the administration building and the men's pavilion.

A new sewer between the laundry building and the boiler house is approximately 90% completed, and manholes of the storm and sanitary sewers were repaired and finished level with the ground.

Renovation of electrical wiring in all buildings is proceeding, and is approximately 80% completed. Improved lighting was installed in No. 2 infirmary and the amusement hall.

Work is well started on an underground cable line for power distribution from the transformer room to all buildings.

Renovation of the main steam tunnel is approximately 75% completed.

A new hot water storage tank was installed.

Ontario Hospital, Woodstock

CHEST DISEASES DIVISION

Active Treatment Wing

Construction work on a new hospital group for the Chest Diseases Division was commenced in September, 1955. The new building will be devoted to the use of new treatments and drugs, and will have accommodation for approximately 560 patients. It will consist of a four storey central section, and two wings at the rear, and oriented so that the front and principal facade faces south. A fifth floor and penthouse of smaller area, for special laboratories, elevator machine rooms, etc., will be incorporated. There are two smaller wings at the easterly and westerly ends of the central section, which will be three storeys in height. Integrated with this group is a modern one storey, electrically equipped food service centre, located on the central axis, and at the rear of the



An Aerial View Showing Progress of Construction of the New
560-Bed Hospital Unit
ONTARIO HOSPITAL, WOODSTOCK

group. The basement is designed to accommodate mechanical and electrical plant, services, and distribution. The building will be of modern fireproof construction throughout.

Construction work on this building is being carried out as follows:

The concrete foundation walls and first floor slab are completed, and pouring of the second floor slab, and formwork for the second and third floors at the easterly end are proceeding.

Cottage 6

In furtherance of the fireproofing programme, considerable alterations were carried out at Cottage 6. Stairwells were cut, and brick partitions were erected in the basement of the front wards, and new archways were cut leading to new exits. A new front ward basement entrance was provided, and a tile wall partition was erected to form a corridor to the front basement ward. Stair landings were built and stair wells trimmed out. Landings and steps leading to the patio were removed and new concrete was poured. Some radiators and electrical services were relocated.

Cottage "E"

Room 16 in the basement was remodelled to provide a new women's rest room. Repairs were made to roof hoppers on connecting corridors leading from the east annex to Cottage "E".

Cottage "F"

Extensive fire protection measures were implemented at Cottage "F". In the easterly wing, a brick wall was constructed in the basement of the front ward, and a tile wall was installed in the sunroom. A stairwell was cut out, and the walls plastered, and a new entrance provided leading to the front basement ward.

In the westerly wing, a new archway was constructed in the basement, and landings and steps leading to the patio were removed, and new concrete was poured. A brick wall was completed, and a tile wall built leading to the new stairway. Metal frames were set in the brick wall to form a new entrance leading to the front basement ward, and the old entrance was bricked up. New exits were constructed. Radiators and electrical installations were rearranged, and repairs were carried out.

EPILEPTIC DIVISION

Trades Building

Construction of a new trades building in the area of the Epileptic Division commenced in January, 1956. The building is one storey and basement, approximately 49'x149'. The basement walls and floor are of concrete. The ground floor slab is concrete supported on concrete joists and hollow tile, and the walls above are of brick construction. Steel bar joists support the concrete slab and felt and gravel roof.

The building will contain shops for carpenters, painters, electricians, steamfitters, sheet metal workers, plumbers and engineers; offices, small store rooms and washrooms on the ground floor. The basement consists of a large store room, transformer vault, and mechanical and electrical equipment rooms. Service to the basement is by stairways and elevator.

Construction work on this building is being carried out as follows: excavation is completed, footings are in and part of the wall forms are up. Approximately 50% of the storm sewer was installed, and work on the sanitary sewers is proceeding.

Cottages "A" and "B"

Fireproofing work carried out included the finishing of the basements with fire resistant wallboard, resetting the hot water storage tank in Cottage "A", and plumbing and electrical improvements.

Cottages 1 and 2

A new 1,000 gallon hot water storage tank was installed, and a fire exit light was placed at the top of the attic stairway, in Cottage No. 1. Exteriors of both cottages were painted.

Farm Buildings

A new bathroom, and a sewage disposal system, were installed at the Deller house.

Power House

Work commenced in January, 1956, on an addition to the north side of the power house to permit the enlargement of the plant.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

General

The repair of recent fire damage to the new service building was completed, and a new general stores room, equipped with bins, shelves, and tool crib, was erected adjoining the office at the easterly end of the building.

Ward "D" was insulated and reroofed, and repairs were made to the laundry roof.

Work was well advanced on the construction of a new electrical distribution system to provide capacity for increasing load requirements. Cement encased duct lines are being laid underground, and access man-holes constructed. Window screens for all buildings were painted. The main dining hall, chapel, laundry, new service building, corridor leading from the dining hall to Wards 3 and 4, and two residences north of the farm buildings were painted.

A washroom, equipped with a toilet, wash basin and drinking fountain, was built east of the sewage pumping station to provide conveniences for those using the sports field.

The ceiling of the sewage pumping station was lowered, and ventilation louvres were installed.

A hot water storage tank was installed in the laundry to increase the capacity of the system.

For The

DEPARTMENT OF HIGHWAYS

Co-operation was given to the Department of Highways in the matter of preparing working drawings, specifications and sketches for new or alteration work, and in the preparation of studies for development of future projects as required.

A planned building programme for the Department of Highways to extend over a period of years was instituted in the fall of 1955, when construction was started on seven Highways buildings, being built to standard plans for each respective type, at various locations throughout the Province. These included an 11-bay office building at Fort William; 9-bay office buildings at Stratford and Owen Sound; 5-bay patrol garages at Shabakwa and at Nilestown, near London; a 3-bay patrol garage at Bathurst, and a paint shop at Chatham. The programme will include also, divisional garages, and heated and unheated storage buildings.

The Department of Public Works was responsible for the designing and preparation of standard plans for each type of building, each plan being adaptable for use at a number of locations, as may be required.

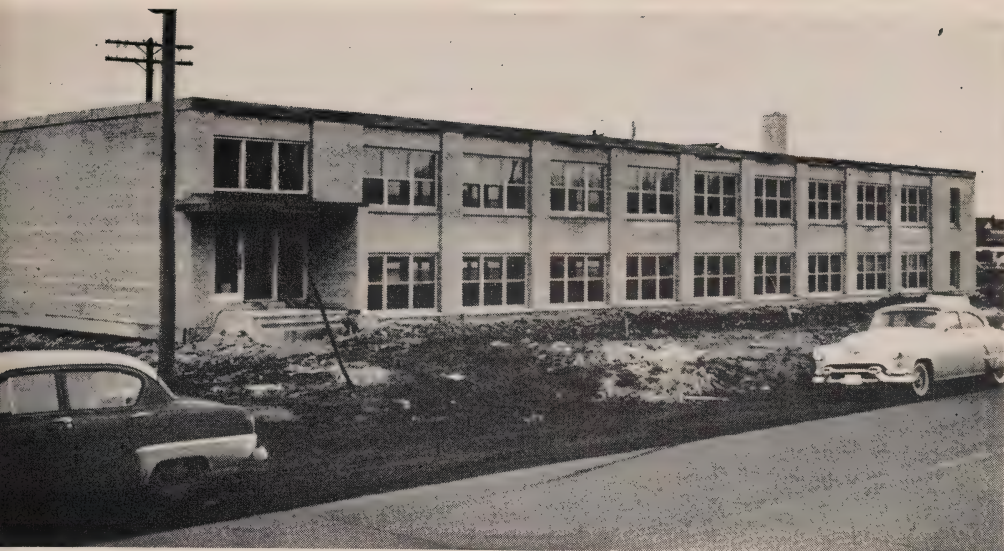
The standard office buildings will be two storeys, of concrete and brick construction, with seven or more bays according to requirements of the location. The first floor provides accommodation for a large draughting room, offices and storage vault, storage room, boiler room and men's locker and washrooms.

The second floor contains a large general office, staff offices, teletype room, washrooms, and women's locker space.

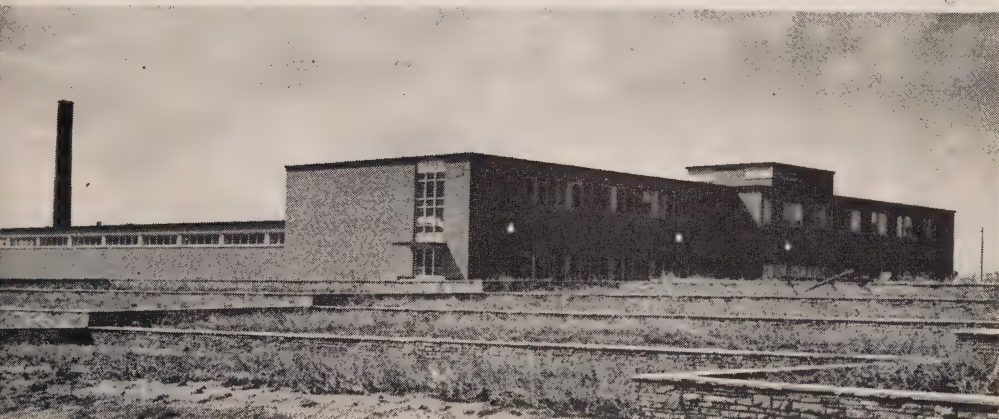
The standard patrol garages are being constructed with two or more bays. They are of brick construction, approximately 18' high, except for the office section which is 9' high, with the end to the front of the main building faced with stone. This section contains also locker and washrooms, boiler room and stock room. Each bay in the garage floor area is approximately 20'x36'. Floors are concrete, and roof is precast concrete with felt and gravel roofing.

The standard paint shop is a one storey concrete block building, approximately 57'x75', with concrete floor and roofing of tar and gravel on wood deck. The main paint shop area is flanked on the left side by spray room, store room, washroom and boiler room; and on the right side by office and carpenter shop.

The divisional garages will be located at divisional points, including Kenora, Sudbury and Huntsville. Each will consist of 14 bays with paint spray shop, welding and body shop, stock room, machine and tool shop, oil and paint stores, battery room, washroom, and wash areas for vehicles. A second floor over the central front portion of the building contains general and private offices, lunch room and store room. Con-



A View Showing New 11-Bay Office Building
FORT WILLIAM



A View of the New Central Stores Building
DOWNSVIEW

struction is of brick and concrete, with panels of corrugated asbestos and stucco at windows and door areas. Floors are of concrete, and the roof is precast concrete with felt and gravel.

The heated and unheated storage buildings are to be built to the same plan, but with a heating system for the former consisting of horizontal suspended oil fired unit heaters. They are of one storey, 18' 8" in height, of brick construction, except for the rear wall, which is of concrete block, with concrete floors and felt and gravel roofing. Each bay has an overhead door approximately 15' 4" wide by 14' high, opening to the front.



A View of the New Office and Laboratory Building
DOWNSVIEW



A Typical Laboratory in the New Office and Laboratory Building
DOWNSVIEW

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Construction work, as carried out at the undernoted buildings during this fiscal year, proceeded as follows:

Bathurst

The 3-bay patrol garage is completed, and occupied.

Chatham

Structural work is nearing completion for a standard paint shop building.

Fort William

The 11-bay office building is approximately 80% completed. The exterior is complete except for painting. Interior work, including plumbing, heating and electric services is well advanced.

London

Construction of the 5-bay patrol garage at Nilestown is well advanced. Structural steel, exterior walls and roof are completed. Work is proceeding on interior walls and partitions, and roughing in of mechanical services.

Owen Sound

Foundations were poured for a 9-bay office building, and work is continuing on the superstructure, plumbing and drainage. The steelwork is erected.

Shabaqua

The 5-bay patrol garage is completed except for painting, and work is proceeding on the interior, and plumbing and heating services.

Stratford

Foundations were poured for a 9-bay office building, and work is proceeding on the superstructure, and plumbing and heating services.

Downsview

Central Stores Building

The central stores building, as described in the previous year's Report, was completed.

Office and Laboratory Building

The office and laboratory building, as described in the previous year's Report, was completed, and is now occupied by the Department of Highways personnel.

London

Soil Testing Laboratory

A dust collector system was installed.

Toronto — Motor Vehicles Branch (696 Spadina Avenue)

Alterations were made to provide space for writing of examinations for drivers' licenses.

Shelves were fabricated and installed to store boxed records.

Offices on the second floor were redecorated, security locks were installed, and repairs and modifications carried out to prepare the space for occupancy.

For The

DEPARTMENT OF LANDS AND FORESTS

Algonquin Park — Lake of Two Rivers Tourist Camp

A water system for the camp was installed, drawing water from the lake to a wet well with electric and gas driven pumps, and serving two new bath houses, drinking fountain, and lawn hydrants.

Cochrane

A stoker was installed in the Department of Lands and Forests District Forester's residence.

Deer Lake Fish Hatchery

The old wooden stave water lines were replaced with transite pipe.

Dorset — Forest Ranger's School

The high pressure heating system was converted to low pressure oil burning operation. A pumphouse was constructed adjoining the present heating plant to accommodate a gas driven fire pump, one additional electrically driven domestic pump, boiler feed pump and air compressor. The project is substantially completed.

Eva Lake — Air Services Division

Field tile disposal beds were installed at two residences.

Foleyet

A diesel generator house was erected and equipped to supply power for the Department of Lands and Forests, and the Ontario Provincial Police Detachment building.

Franz — Chief Ranger's Headquarters

Two diesel generator standby units were installed.

Electrical wiring and fixtures were installed in the Forest Ranger's residence.

Glenora — Fish Hatchery

The electrical wiring was completely renovated and new outlets were installed. The garage and boathouse were wired.

Kapuskasing — District Office Building

Construction of a new district office building for the Department of Lands and Forests was started in October, 1955.



A View of the New Pump House
LAKE OF TWO RIVERS TOURIST CAMP
ALGONQUIN PARK

The building is of two storeys, 40'x80', with provision for the later addition of a third storey. Construction is load bearing masonry, consisting of brick facing with stone trim, 8" tile backup, insulated, and 3" furring tile, plastered. The main entrance is framed and panelled in stone, with the Department crest and legend surmounting the doors.

The basement will accommodate a large public and staff meeting room, biologist's laboratory, staff room with facilities for preparation and service of light refreshments to the meeting room, boiler room with separate outside access, electrical and mechanical equipment room, two rooms for records and general storage, and a washroom.

On the ground floor a glazed vestibule opens into the general office, and on this floor also are the offices of the District Forester, Assistant District Forester, Timber Management, Fish and Wild Life Supervisor, and Lands Supervisor; fireproof vault for record storage; male and female washrooms, and auxiliary services.

The second floor provides offices for the Forest Protection Supervisor and Biologist, a large general office, staff meeting room and a blueprinting and winter communications room.

All offices and corridors have acoustic tile ceilings and fluorescent lighting, and the building is heated by means of a low pressure hot water system feeding convactor radiators on all floors.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

Kemptville — Hon. G. Howard Ferguson Nursery

The implement tool shed was rewired.

Lauson Lake — Air Services Division

Street lights were installed between the houses and workshop.

Maple — Southern Research Station

Work started in November on the construction of a greenhouse to meet the requirements of the Division of Forest Biology Science Service of the Federal Department of Agriculture.

Walls were completed to roof level. Structural steel was erected.

A connecting tunnel was completed.

A transformer vault, primary electrical distribution panel-board and standby equipment were installed in a new one-storey building constructed for the purpose.

Mitchell's Bay

A drop ceiling was installed in the boat house.

North Bay — Air Services Station

Construction of a combined residence, office and garage for the radio operator, as mentioned in the previous year's Report, was completed, and the building was turned over to the Department of Lands and Forests in April, 1955.

Exterior painting, and landscaping and fencing of the property was completed.

North Bay — Chief Ranger's Headquarters

A truck parking area at the rear of the Chief Ranger's Headquarters building was extended.

Revisions to the heating system were carried out.

Opeongo Lake — Fish Laboratory

A diesel generator unit was installed in the laboratory.

Pembroke — District Office

The brickwork was completed, and work is proceeding on the construction of a one-storey addition to the district office building.



View of Trout Rearing Ponds
 TROUT REARING STATION
 SAULT STE. MARIE

Port Arthur — Chief Ranger's Headquarters

Renovation of the Chief Ranger's Headquarters building, commenced in the easterly half in the previous year, was carried through to completion in the westerly half, and the building was turned over to the Department of Lands and Forests for occupancy. The interior of the building was almost completely rebuilt, the exterior was remodelled and painted, and the building was reroofed.

St. Williams — Forest Station

A new irrigation system for the forest station was installed.

Sault Ste. Marie — Air Services Station

The steel sash for all ground floor windows of the hangar was renewed and glazed.



View Showing the New Plastic Hatching and Rearing Troughs
TROUT REARING STATION
SAULT STE. MARIE

Sault Ste. Marie — Trout Rearing Station

Renovation work on the various buildings and installations at this station was extended throughout this fiscal year. Construction of a new hatchery building, a three-truck garage, and a small pump house was completed. Plastic hatching and rearing troughs were installed in the main hatchery building.

A service building was constructed and equipped with refrigeration equipment. The service building includes a fish food preparation section, an ice-making plant and a workshop area.

Two new cottages for Lands and Forest personnel are approximately 80% completed. A well was sunk to service the new houses with water. Construction of a new double garage is under way.

South Bay Mouth — Fisheries Research Station

A new deep well was drilled, a pump house was constructed and a water supply line was laid to the students' dormitory. Underground electric cable was installed.

Temagami — Air Services Station

Work is nearing completion on additions to two cottages, to provide toilet facilities and extra room space, and installation of septic tanks and field bed.

White Lake — Fish Hatchery

Buildings were wired, and floodlighting was installed for the ponds.

Wiarton — Fish Hatchery

Installation of a back wash on the intake line leading from the lake was completed.

For The
DEPARTMENT OF MINES

Cobalt — Temiskaming Testing Laboratory

A start was made on the installation of a dust collector and fume control system.

Kirkland Lake — Mining Recorder's Office

A property was purchased for the construction of a new Mining Recorder's office.

For The

DEPARTMENT OF REFORM INSTITUTIONS

Bowmanville Training School for Boys

Construction of a frame addition to the pump house to accommodate larger filters is approximately 90% completed.

Excavation was carried out to straighten the course of the creek and the 18" storm water outfall sewer was rebuilt to conform.

Reconstruction of the sewage disposal field was well advanced.

Renovation of the electrical distribution system is approximately 50% completed.

A primary pole line to the westerly farm group, and secondary street lighting were completed.

New fluorescent lighting was installed in the offices in the Administration Building.

An electric feed cooker for the piggery and electric boiler pumps were installed.

Ontario Reformatory, Brampton

Buildings Nos. 29 and 31, as referred to in the previous year's Report, were redesignated, the two sections of No. 31 as Buildings 24A and 24B, and No. 29 as Buildings 25A and 25B. Remodelling of these buildings continued to completion, No. 24A being converted for use as a radio classroom and workshop, No. 24B as sheet metal classroom and workshop, No. 25A as an academic school, and No. 25B as an auditorium. Converted army hut No. 10 was renovated and equipped as a bricklaying classroom.

Fluorescent lighting was installed in the rotunda and four offices in the Administration Building.

All electrical outlets in trade shops were brought up to code requirements, and a 550 volt service was installed in the woodworking shop. A pole line was constructed. All wiring for the Institution was renovated. The renovation work included also plumbing and service lines.

Rideau Industrial Farm, Burritt's Rapids

Roof ventilators were installed in the new dairy barn, and a wooden ceiling was installed in the horse stable section to counter roof condensation, and also in the loafing barn where work was started on the insulation of the metal roof. A concrete septic tank was built at the site of the new dairy barn, and the sewage disposal bed was reconstructed. Work is in progress on replacement of the hot water return lines to the boiler room with copper pipe.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Considerable work was done to give added fire protection for the dairy barn, including the installation of additional fire hydrants, and extension of the water distribution system. Three combined hydrant and reel houses were constructed. Brick fire walls were constructed and metal fire doors installed in the custodial building.

Two pole barns were constructed for hay storage, and the construction of a third pole barn is under way.

Industrial Farm, Burtch

Administration Building

Erection of a new administration building of one storey and basement, of frame construction supported on a concrete foundation, was started in October with excavation work being done by inmate labour. Foundations are completed.

Alteration and renovation work was carried out at the hangar annex providing stores, gymnasium, dormitories, carpenter shop, photographic room, and admittance rooms.

Electrical and heating services were installed to serve the various sections.

Plumbing fixtures and equipment were installed in the new dormitory.

Minor repairs were carried out to the fire alarm and inter-communication systems.

Industrial Farm, Burwash

Camp No. 2 (Main) and Burwash Village

A guards' signal system was installed in the main cell block.

Installation of the fire alarm system for Camp No. 2 was completed.

New floodlighting was installed in the main cell block and on the dormitory building. A new pole line and lighting standards were erected from the post office in the village to the main cell block. Installation of electrical wiring and fixtures in 20 staff cottages was completed. Electrical services in the public school were completed, including pole leads to the alarm stations. Seven one-family and two two-family dwellings in the Farmlands section were rewired. Work is continuing on the renewal of electrical services and distribution for the staff apartments and homes, church, nurses' residence, and Farmlands dwellings.

The galvanized piping of the water tower distribution system was replaced with copper.

The Burwash sewage disposal plant was overhauled, and a new tile bed was constructed.

Work was started in October on the construction of a power house at Camp No. 2 to replace two existing plants and double present capacity. Approximately 80% of foundation walls and basement rooms are completed, including the tunnel leading from the central heating plant to the cell block. Two boilers will provide 800 horsepower capacity and provision is made for the installation of a third boiler when required. There will be two diesel generators and provision for future installation of a third. The power house, 100'x120', will contain also, engineer's office, workshops, pump room, washrooms, can wash and incinerator rooms, electrical transformers and control gear. The basement will house blow-down and return tanks, transfer pumps, boiler ash pits, ash collectors and incinerators. Equipment will include an 87-ton high level coal bunker and conveyor system, and a vacuum system to convey furnace ash to a high level ash silo for disposal by truck.

Camp No. 5

Maintenance and repair work was carried out.

Work is under way on the installation of a new waterworks system.

General

The telephone line along Highway No. 69 northward to Richard Lake was completed.

The power line leading from McVittie power house to Burwash Village was overhauled.

Boys' Training School, Cobourg

McCook House

Two new steel fire escapes were completed, and the building was rewired.

A chain link fence was erected separating the Training School property and Cobourg Public School grounds.

Strathmore House

The building was rewired, and the installation of a new fire alarm system was completed.

Three new steel fire escapes were erected.

Two furnace room ceilings in the basement were insulated for fire prevention.

Industrial Farm, Fort William

This Institution, formerly used by the Department of Health as an Ontario Hospital, was taken over by the Department of Reform Institutions in April, 1955.

A former residence used as a stores building, was reconverted for use as a residence. New plumbing, heating and electrical services and fixtures were installed, and the interior was renovated.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

The superintendent's residence was completely renovated.

Considerable maintenance work was carried out on plumbing and heating services in the main building.

A new stores building was constructed.

Girls' Training School, Galt

Administration Building

Electrical wiring and fixtures in the administration building were renewed.

Beatty House

A ventilation system was installed in the basement.

Collingwood House

An electric mixer was installed in the kitchen, and emergency repairs were made to the main sewer and water line.

Nelson House

A ventilation system was installed in the basement.

Ontario Reformatory, Guelph

Administration Building

Deteriorated stonework in the tower of the administration building was removed and replaced with new stone.

Gymnasium

The new gymnasium, as referred to in the previous year's Report, is nearing completion, with interior work of the mechanical trades well advanced. Plastering is completed.

Hospital Wing

The new hospital wing, as mentioned in the previous year's Report, was completed. A room was constructed to house the electroencephalography equipment, and is in operation. A considerable amount of equipment was installed, and partitions were erected to provide new offices for doctors and secretaries.

Main Building

Three one-storey additions to the main building were constructed, and extensive alterations were made to the kitchen area to increase the food service facilities. The new additions provide a staff dining room, a kitchen and food processing area, and lockers and shower rooms for inmate kitchen help. Exterior construction work is completed, and interior work of the mechanical trades is nearing completion.



An Aerial View Showing Progress of Construction on the
New Ontario Reformatory

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Power Plant

Alterations were carried out to the heating tunnel from the power house to the main and custodial buildings, and steam mains in the tunnel were renewed and repaired. The heating system was renovated, including installation of a new system at the drill hall.

Boiler and stoker repairs were carried out.

Coal handling equipment including electrical service was installed for the new steam generating unit.

Oil Storage Building

The erection of an oil storage building, 20'x40', of fireproof construction, was commenced in January. Work is proceeding, with the brickwork up to roof level.

General

The power conversion from 25 to 60 cycle was completed, and all shop machines are now operating on individual motors.

Old wiring and fixtures were replaced and new service and lighting panels were installed in the horse barn.

Ontario Reformatory, Millbrook

Designed and planned to make it the most advanced corrective Institution of its kind on the continent, the new Ontario Reformatory at Millbrook is well forward in construction, with the walls up, the last of the roof slabs poured, and work now concentrated on the interior progressing well, including the installation of security doors and hardware, mechanical equipment and services, construction and finishing of walls and partitions.

The new Institution, with accommodation for 250 to 300 male psychopathic prisoners, is a self-contained unit, including all auxiliary services. It consists of a main building running east and west, with three wings running off to the north and south to accommodate kitchen, laundry and shop areas, the whole enclosed by a reinforced concrete wall into which seven guard towers are built at intervals. Outside the walls, but directly connected, are the administration building on the south side, and the boiler room, warehouse and warehouse office at the east end. There are two ports of access to the area within the perimeter wall, one through the administration building, and the other, in the warehouse area, including a vehicle sally port. Both are under the direct control of a guard tower, and protected by electrically operated sally port mechanism. The administration building and the cell wings are, in general, two storeys in height.

Components of the main building include the reception wing, four cell block wings, detention and hospital wings, and chapel, kitchen, laundry, and shop area. The main corridor section containing classrooms, library, barber shop, and equipment rooms, connects all these separate



View Showing Progress of Construction at Dormitory No. 4
ONTARIO REFORMATORY, MIMICO

wings under one continuous roof deck. The warehouse, boiler room, and general food storage located on the outside of the enclosure, permit the employment of civilian help in these departments, and daily control of the quantity of food kept within the Institution proper.

Ontario Reformatory, Mimico

No. 3 Dormitory

This new building, referred to in the previous year's Report, was completed, providing accommodation for 120 inmates.

No. 4 Dormitory

No. 4 Dormitory building, of two-storey brick construction, was started in May, 1955, and is substantially completed. Consisting of four dormitories, it provides accommodation for 120 inmates. Plumbing and heating systems are nearing completion.

General

A brick drying shed was reconstructed with concrete and brick work to provide accommodation for a paint shop and store rooms for the Reformatory, and Department of Public Works stores.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

A one-storey addition to the machine shop, 29'x71', was constructed to provide a shop for the fabrication of lock-up and gaol cell components for various Institutions administered by the Department of Reform Institutions.

A new boiler was installed.

A new transformer and switch room is nearing completion.

Industrial Farm, Monteith

Renovations and improvements to the fire alarm system throughout all buildings was completed.

General repairs, including interior plastering and painting, pointing of brickwork, and installation of a new roof on a section of the auditorium in the administration building were carried out.

A dish washing machine and two steam kettles were installed in the kitchen area.

Construction of a new chlorinating house, replacing the old building at the sewage disposal plant was completed.

Repairs were made to heating boilers and outside support to brickwork was constructed.

Extensive repairs were completed on return lines of heating system for dormitories "A", "B" and "C".

Four new prison type lavatories were installed.

Considerable electrical wiring was renewed in various buildings and new street lighting was installed.

Andrew Mercer Reformatory, Toronto

Repairs and pointing of the exterior masonry were carried out. The electrical services were converted from 25 to 60 cycle. A fire protection system was installed. Considerable plumbing renovations were carried out.

DISTRICT GOALS

Fort Frances

The hot water heating system was converted to steam.

The roof over the cell block was insulated, and minor repairs were carried out.

Haileybury

Considerable plumbing repairs were carried out, and new prison type fixtures were installed.

Electrical wiring and installations were renewed.

The interior of the goal was painted, and locks to the exercise yard were repaired.

Kenora

Plumbing repairs were carried out in the cell blocks, and small wash basins were replaced with larger type.

A domestic hot water tank was installed.

The signal system and annunciator were renovated.

Electrical conduits, wiring and fixtures in the basement storage and boiler rooms were renewed.

A handrail was installed on the stairway leading to the women's cell block.

North Bay

Construction of the Governor's residence was completed, and the building was occupied April 25th, 1955.

An electric buzzer system was installed connecting the Governor's residence with the gaol, and electrical alterations included installation of additional exterior floodlighting.

Landscaping, driveway, and cement walks around the new residence were completed, and canopies were built over front and side entrances.

Laundry equipment and a new ventilating fan were installed in the service area, and repairs were made to plumbing in the gaol.

Old type prison locks were replaced with new.

Interior painting was carried out at the gaol.

Parry Sound

The Governor's residence was completely renovated, including interior and exterior painting, and new eavestroughing.

The men's exercise yard was paved.

An asphalt walk was laid in the women's exercise yard.

New access doors were installed at the male and female exercise yards.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Port Arthur

Two steel isolation cells were installed, complete with plumbing, heating, ventilating and electrical work, and were painted and put into service.

The signal system was renovated and new electrical services were installed.

Forty-two prison locks of obsolete type were replaced.

Small wash basins in the cell blocks were replaced with larger type.

Sudbury

A new stainless steel sink was installed.

Electrical power distribution and services were renovated.

For The

DEPARTMENT OF TRAVEL AND PUBLICITY

New buildings were completed and minor alterations, painting, landscaping, general maintenance and finishing work was carried on at the following reception centres:

Cornwall

The interior and exterior of the reception centre building were painted, and a new sign post with standard illuminating sign was installed.

Fort Frances

A new standard illuminated sign was installed.

Hawkesbury

The front porch and interior of the building were painted, and the neon sign was repaired.

Ivy Lea (at Thousand Islands Bridge)

A new well was sunk to provide water supply for the centre.

The grounds fronting the reception centre were laid out with flower beds and plantings.

Kenora

The lake front portion of the property was cleaned up and concrete curbing was constructed along the lake side of the parking lot.

Middle Falls

A new reception centre building was constructed, with stained log siding exterior, and with accommodation also for a detachment of the Ontario Provincial Police.

Niagara Falls

Construction of a new reception centre was completed and the surroundings landscaped, and the parking lot was paved. The old portion of the building was painted, redecorated and refurnished.

Point Edward (Blue Water Bridge, Sarnia)

The grounds at this newly erected reception centre were landscaped and an asphalt parking area was provided for tourists' automobiles.



A View of the New Reception Centre
NIAGARA FALLS

Prescott

A low picket fence was constructed in front of the building, separating flower beds and the parking area.

St. Catharines (Homer)

Some shrubbery was planted.

Repairs were made to the pressure pump.

Sault Ste. Marie

A new standard sign was installed, and the boulevard in front of the centre was paved to provide improved parking facilities.

Windsor (at Tunnel Exit)

A plywood sign was erected in front of the building.

For The

PROVINCE OF ONTARIO SAVINGS OFFICES

This Department cooperated with the Head Office Management of the Ontario Savings Offices by preparing sketches, working drawings, and specifications for proposed new or alteration work and the arranging for, or execution of, this work as required at the existing Branch offices.

The work of arranging and preparing new leases and the renewal of expiring leases, together with agreements, was carried out as directed.

The main work items carried out in the above connections were as follows:

Brantford

Space in the basement was renovated and equipped as a lunch room to replace the lunch room destroyed in a recent fire at this branch.

The floor was shored up to support a safe in the cash vault.

A hot water heater was installed in the basement.

Guelph

An electric base fan was installed.

Hamilton (Ottawa Street)

A new staff lunch room was completed.

Fluorescent lighting fixtures were repaired.

London

A new sign, with Provincial crest, was erected over the main entrance.

Two nests of safety deposit boxes were installed.

Ottawa

An exhaust fan was installed in the banking room.

Owen Sound

A nest of 48 safety deposit boxes was installed.

Renovations were made to the banking fixtures, and a new teller's cage was constructed. Painting of the banking room is in progress.

St. Catharines

Two nests of safety deposit boxes were installed.

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Toronto (Bay and Adelaide Branch)

A new tile floor was laid in the public space.

A metal letter and voucher box was installed at the entrance.

Toronto (Danforth and Fenwick Branch)

A nest of sixty safety deposit boxes was installed.

Toronto (Danforth and Woodbine Branch)

New plate glass windows were installed in the Manager's office, and the main office.

A nest of 48 safety deposit boxes was installed.

A hand-painted Provincial crest, together with a new main sign, was installed.

Toronto (1556 Yonge Street Branch)

A nest of 48 safety deposit boxes was installed.

Walkerton

The manager's screen was relocated, enlarging the accountant's space. A new counter was installed, banking fixtures were refinished, and a new tile floor was laid in the public space. The front of the building was painted.

Woodstock

A reconditioned vault door was installed.

The main signs were refinished in gold leaf.

A nest of 48 safety deposit boxes was installed.

For The

ONTARIO GOVERNMENT EXHIBITS

**Canadian National Exhibition, Toronto,
August 26th - September 10th, 1955.**

ONTARIO GOVERNMENT BUILDING, EXHIBITION GROUNDS, TORONTO

The Department of Public Works, as custodian of the Ontario Government Building at the Canadian National Exhibition Park, again, as in other years, organized the preparation of the building as the setting for an exhibition by the combined Departments of the Ontario Government in conjunction with the Canadian National Exhibition, which preparation included a complete redecorating of the interior of the building, improvements to, and maintenance of, all mechanical services, the installation of general and feature lighting, the construction of stage work, props and identification sign work, as well as the decoration of the building by the use of evergreen trees and flowering plants.

Cooperating with the Department of Public Works in the production of this exhibition were the following Departments:

Department of Agriculture
Department of Attorney General
 (Ontario Provincial Police Branch)
 (Ontario Fire Marshal)
Department of Education
Department of Health
Department of Highways
Department of Labour
Department of Lands and Forests
Department of Mines
Department of Planning and Development
Department of Provincial Secretary
Department of Provincial Treasurer
Department of Public Welfare
Department of Travel and Publicity

Government sponsored organizations exhibiting included:

The Hydro-Electric Power Commission of Ontario
The Ontario Northland Transportation Commission
The Ontario Branch, Canadian Cancer Society
The Ontario Division, Canadian Red Cross Society

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This exhibition was produced for the purpose of furthering sound public relations with the people of the province, and with all other visitors to the Canadian National Exhibition, by providing interesting displays to show through the mediums of design, form, color and lighting, as well as by moving pictures, typical operations of the Departments of the Government of Ontario.

**Central Canada Exhibition, Ottawa,
August 20th - 27th, 1955.**

ONTARIO GOVERNMENT PARTICIPATION

As in previous years, the Ontario Department of Public Works was invited by the Board of Directors of the Central Canada Exhibition at Ottawa to organize an Ontario Government exhibit to form a part of their annual exhibition.

The space offered for this purpose was allocated by the Department to the following:

- Department of Agriculture
- Department of Health
- Department of Highways
- Department of Lands and Forests
- Department of Mines
- Department of Reform Institutions

The Department of Public Works supplied the installation and maintenance of all mechanical services, interior decorating of the buildings, exhibit settings and sign work, for the displays of the exhibiting departments.

At the conclusion of the exhibition the sentiments expressed by the Central Canada Exhibition management indicated that the exhibit of the Ontario Government, as co-ordinated by the Department of Public Works, was one of the salient features contributing to the success of their best attended exhibition.

BOILER INSPECTION

The Boiler Inspection Work of this Department, as in previous years, was carried out under the supervision of the officers of the Ontario Department of Public Works.

The boilers, boiler plant and heating equipment of the Legislative and Departmental Buildings, Osgoode Hall, Educational Buildings, Agricultural Buildings, District Buildings, Ontario Government Hospitals, Ontario Training Schools and Ontario Reformatories were inspected and reported upon for safety and proper operation and to determine the extent of the repairs and material needed for such repairs to properly maintain and operate the power and heating plants in the various building groups referred to. In the case of the Ontario Hospitals and Reformatories, the reports as referred to were sent to the Departments of Health and Reform Institutions respectively, for their attention in the matter of making minor repairs recommended. Major repairs for these Departments were attended to by the Department of Public Works.

I have the honour to be, Sir,

Your obedient servant,

GEORGE N. WILLIAMS, M.R.A.I.C.,

Chief Architect.

Toronto, March 31, 1956.

REPORT OF CONSULTING SERVICES RENDERED TO ONTARIO DEPARTMENT OF HEALTH

Parliament Buildings,
Toronto, Ontario,
March 31st, 1956

To:

Mr. George N. Williams,
Deputy Minister and Chief Architect,
Department of Public Works.

I have rendered the following services to the Ontario Department of Health:

1. As a member of the Inter-Departmental Committee on Hospitals; attended meetings at which applications for Capital Grants for new construction under the terms of the Public Hospitals Act are considered and recommendations made, as well as other items under the terms of reference with which this Committee functions.
2. Studied and reviewed plans of proposed new General Hospitals and Sanatoria or additions thereto, submitted by their Architects, with particular reference to the provision of proper working conditions, services and patient accommodation as well as the safety and comfort of the patients, and
 - (a) Conferred with officers of the Department of Health and the Architects or their representatives retained by the Hospital, to discuss the plans and make recommendations for revisions subject to which approval would be recommended.
 - (b) Prepared reports to the Department of Health recommending approval either subject to or without revisions of the proposals submitted.
3. Visited General Hospitals and Sanatoria, usually with one or two officials of the Department of Health and met with the members of the Hospital Boards and their Architects to discuss and make recommendations concerning the planning of the proposed alterations and additions and other related problems.
4. Visited Private Hospitals and made reports to the Department of Health so that final approval might be recommended for issuance of a Private Hospital License.

The following is a list of the Institutions concerned and the action taken in each case:

GENERAL HOSPITALS

Ajax

Ajax and Pickering
General Hospital and
Nurses' Residence

Plans of proposed alterations and a new connecting passage between the Hospital and Nurses' Residence; a new Ambulance Entrance and Emergency Admitting Room were submitted for approval of the Department of Health.

In my report on this submission it was recommended that the proposed location of the Ambulance Entrance and Emergency Admitting Room be changed and provided for in the new connecting passage so as to be en suite with the Emergency Operating Room instead of on the opposite side of the Hospital, where now shown, and also other revisions in the plans.

Barrie

Royal Victoria Hospital
Nurses' Residence

Plans were submitted for proposed alterations to an existing house for conversion to a Nurses' Residence and these plans were finally approved, which provided for 21 nurses' beds.

Belleville

General Hospital

The plans for additions to this Hospital were previously recommended for approval, and a conference was held with the architects and officials of the Department of Health to clarify certain details.

Blind River

St. Joseph's Hospital

Plans were finally recommended for approval for an addition, 110 feet in length by 45 feet in width, which provided for additional much needed services and 37 new beds and 11 bassinets.

Brampton

Peel Memorial Hospital

A conference was held with the architects with respect to general improvements to this hospital.

Brantford

General Hospital

A set of final plans was received, which incorporated previously recommended revisions and, subject to certain recommendations for fire precautions, the plans for this new wing "A" were recommended for approval.

Brockville

General Hospital

Plans for a proposed new wing were submitted to provide for certain new, much needed services on the ground floor; a 25-bed Paediatric Unit on the first floor; and four new Operating rooms, one 4-bed Recovery room and necessary adjunct services in connection therewith on the second floor, and recommended for approval after various interviews with the architects and the plans were finally revised to incorporate all our recommendations.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

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Brockville

General Hospital
Nurses' Residence

Revised plans were submitted for a new wing to be connected to the existing nurses' residence, to provide 40 new beds and, subject to further recommendations being complied with, the plans were recommended for approval.

St. Vincent de Paul
Hospital

After several conferences with the architects and officials of the Department of Health re proposed addition to this hospital, which will provide 52 adult beds and 18 bassinets in the new wing, the plans were finally recommended for approval, subject to certain fire precautions.

Chapleau

Lady Minto Hospital

Plans for alterations and a small addition to this hospital were submitted and, after several revisions and conferences with the architects, approval was finally recommended.

Clinton

General Hospital

Plans were submitted for alterations to this hospital to provide for an Emergency Operating Room, X-ray Room, and Laboratory, the layout of which was not acceptable and recommendations were made for revisions of the plans. After further revised drawings were submitted, final approval was recommended.

Cobourg

Illlahee Lodge

Original sketch plans were submitted by the architect for an addition to this building and the plans were later revised in accordance with our recommendations and finally recommended for approval.

Cochrane

Lady Minto Hospital

A memorandum was prepared with certain recommendations with regard to this proposed addition, which provided for 37 new adult beds and 14 new bassinets. After certain revisions, these plans were finally recommended for approval.

Collingwood

Blue Mountain Camp
for Crippled Children

A conference was held with the architects with respect to additions and alterations at this camp.

General and Marine
Hospital

Revised plans were submitted to comply with the recommendations made previously and, after review, the plans were finally recommended for approval. The plans provide for a two-storey addition over the existing laundry, which provides accommodation for 28 new adult beds and 12 new bassinets.

Cornwall

Macdonell Memorial
Hospital (formerly
Hotel Dieu)

Plans were submitted for the renovation of this former hospital and for the fire-proofing of the central section, the two wings being already in fire resisting construction, for the accommodation of Chronic patients. A memorandum was prepared with recommendations for alterations and revisions to the plans, to conform with Departmental requirements. Conferences were held with the architects, at which these recommendations were reviewed and agreed upon.

Couchenour

Margaret Couchenour
Memorial Hospital
Nurses' Residence

Plans were submitted of the proposed two-storey and basement residence for this hospital. After reviewing the plans, revisions were recommended to comply with Departmental requirements.

Dryden

Dryden District Hospital
and Nurses' Residence

Working drawings of sketch plans formerly recommended for approval were submitted and approval was recommended.

The plans provided for a total new bed accommodation of 56 adult beds and 18 bassinets in the hospital and 21 beds in the nurses' residence.

Dunnville

Haldimand War Memorial
Hospital
Nurses' Residence

Sketch plans submitted were for a proposed nurses' residence to provide accommodation for two supervisors and ten single nurses' rooms, with reception room, living room, kitchen, laundry, etc.

Subject to the provision of certain fire fighting equipment, these plans were recommended for final approval.

Fergus

Groves Memorial
Hospital
Nurses' Residence

Sketch plans for a new nurses' residence, consisting of basement, first and second storeys, with accommodation for 16 beds were presented for comments, and accordingly a memorandum was prepared.

Subsequently, a revised set of plans was submitted changing the scheme by the elimination of the basement and placing the first floor level two feet below the finished grade. A memorandum was prepared commenting on these plans and requesting certain revisions. Subsequently, a further revised set of plans was submitted with further recommendations for revision, after compliance with which approval would be recommended.

Fort William

McKellar General
Hospital

Plans were submitted showing renovations to the north and centre blocks of the existing building.

A memorandum was prepared, suggesting certain revisions which when complied with, approval would be recommended.

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Galt

South Waterloo
Memorial Hospital

Plans were submitted for the addition of a third and fourth floor on the west wing of this hospital and after a conference with the architects and the relocation of the nurses' station to a central location in the nursing unit on the revised drawings, these were recommended for approval.

22 new beds were provided on the third floor and 23 on the fourth floor, making a total new bed accommodation of 45, together with 6 bassinets.

School of Nursing

Revised plans were submitted for a school of nursing and a memorandum was prepared recommending certain revisions for fire precautions, subject to which final approval would be recommended.

Goderich

Alexandra Marine and
General Hospital

Plans were submitted for a proposed addition to this hospital and after several conferences with the architects and revised sketch plans submitted, a final revised set was recommended for tentative approval and working drawings later submitted were finally recommended for approval.

This new addition provides for 40 active treatment beds and 22 bassinets, together with approximately 2,000 square feet of Auxiliary Services.

Guelph

General Hospital
Nurses' Residence

Plans for a new nurses' residence to accommodate 25 nurses on each of four floors, or a total of 100 nurses, together with a separate wing for teaching facilities were submitted and recommendations were made for their revision.

After further submission of revised plans incorporating these revisions, these were finally recommended for approval, subject to certain alterations to the west stairway.

Guelph

St. Joseph's Hospital
Proposed Tunnel to
Nurses' Residence

After recommendations were made upon the first submission of sketch plans and revised drawings submitted, they were finally recommended for approval, subject to two conditions for ventilation and drainage.

Hamilton

General Hospital
Children's Wing

After additions and alterations as shown on the plans submitted are completed, two floors will provide 38 beds and, as prior to the alterations there were 26 beds, a net gain of 12 beds will be provided.

	Subject to the provision of sufficient hose standpipes and lengths of hose, together with fire extinguishers, in wall cabinets, the plans were recommended for approval.
St. Joseph's Hospital	Plans were submitted for the conversion of the former Chapel to a new Physiotherapy area and subject to the approval of the Hydro-Electric Power Commission being obtained for all electrical installations and the provision of certain fire extinguishers, approval of the plans was recommended.
Huntsville Memorial Hospital Proposed Incinerator	The plan of the new incinerator room was submitted and subject to certain recommendations for fire protection and precautions, the plan was recommended for approval.
Iroquois Falls Anson General Hospital	Plans for a 41 bed hospital, one storey and basement, with nine single nurses' rooms and a Superintendent's suite over one wing on the second floor, were submitted in the previous fiscal year. Sketch plans were finally revised and working drawings prepared and recommended for approval.
Kiocardine General Hospital	Plans of a proposed addition to this hospital, which would provide a total bed accommodation of 48 adult beds and 14 nursery bassinets upon completion, including existing beds, were submitted and after conferences with the architects were revised and finally recommended for approval.
Kingston General Hospital Addition to Calvin House, Nurses' Residence	A memorandum was prepared upon the submission of revised plans of the proposed addition to this residence and, subject to three conditions being complied with, the final submission was recommended for approval.
New addition to Cancer Clinic	The set of drawings submitted for approval were reviewed and a memorandum prepared recommending provision of certain fire fighting equipment and that the plans should be further referred to the Physicist of the Department of Health for his approval, having in mind the safety and comfort of the patients against the harmful effects of gamma rays which would be generated by the Cobalt Bomb and other equipment.
New Connell Wing	At the request of the Superintendent, the writer, in company with two officials of the Department of Health, visited Kingston and conferred with the Superintendent and the architects with regard to the proposed new Connell Wing.

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These plans were thoroughly reviewed and discussed and recommendations made at this meeting. Subject to these, tentative approval of the sketch plans was recommended, final approval being subject to the submission of working drawings.

The plans provide for seven floors with services on the lower floors such as Operating Rooms, Recovery Rooms, etc.; 46 beds on the third floor; 44 Psychiatric beds on the fourth floor; 27 beds on the fifth floor, with 27 normal bassinets, 2 suspect bassinets and one rooming-in bassinet; 26 beds on the sixth floor, with 27 normal bassinets, 9 premature bassinets, 2 suspect bassinets and one rooming-in bassinet; six delivery rooms, six labour beds, four recovery beds, one baby recovery room, three special treatment beds, eight Doctors Internes bedrooms, one Demonstration Room and one Laboratory on the seventh floor.

St. Mary's of the Lake New Hospital Wing

Plans were submitted for a proposed new wing, consisting of basement and three floors, with accommodation for 46 patients on each of the three floors or a total of 138 new beds, together with the necessary services. Final approval of these plans was recommended after certain revisions had been made.

Listowel Memorial Hospital

Conferences were held with the architect and officials of the Department of Health with regard to proposed alterations to this hospital.

London St. Joseph's Hospital

Plans for a fifth floor addition to this hospital were submitted and, after slight revisions including extension of one outside fire escape, the plans were recommended for approval.

Victoria Hospital

Plans for proposed renovations to Internes' Quarters were submitted and a memorandum, with recommendations for certain revisions and provisions, was prepared.

Newmarket York County Hospital

Plans for a new wing and extension of existing wing were submitted, consisting of basement and two floors and a third floor over the new wing which would provide a total accommodation for the hospital, when the additions were completed, of 63 beds on the first floor, 53 beds and 36 bassinets on the second floor, and 5 recovery beds on the third floor.

After certain recommended revisions and fire precautions were incorporated in revised plans, these were finally recommended for approval.

**Newtonbrook
St. John's Convalescent
Hospital**

Plans were submitted for a proposed addition to this hospital to provide increased accommodation for kitchen and laundry, as well as 22 new patient beds.

A meeting was held with the members of the Board and officials of the Department of Health and recommendations for certain revisions were made, which were incorporated in revised drawings. These were again submitted and, subject to two minor revisions, the plans were recommended for approval.

**Niagara Falls
Greater Niagara General
Hospital**

Plans were submitted to the Department of Health for a new hospital with accommodation for 262 active beds, 44 nursery bassinets and 2 detention rooms, together with space for Auxiliary Services of approximately 12,000 square feet, and memoranda were prepared, after which meetings were held with the architects and consultants and officials of the Department of Health, at which 17 suggested revisions were drawn up and agreed upon.

Revised plans were again submitted and after a conference with officials of the Department of Health a memorandum was prepared, with nine recommendations for revisions.

Nurses' Residence

Plans for a new residence to accommodate 66 nurses were submitted and two memoranda were prepared on the preliminary and revised submission, the latter of which recommended approval subject to certain further revisions.

**North Bay
Civic Hospital**

Plans were submitted for a proposed four room addition on each of the second and third floors, which would provide for an additional bed accommodation for 32 patients. A memorandum was prepared, recommending certain revisions and submission of a revised drawing for further review.

St. Joseph's Hospital

Plans were submitted for a new 83 bed addition and also for alterations to the existing building. Three successive sets of plans were received and memoranda were prepared recommending revisions of the plans, with final approval recommended in the last memorandum for the new addition and, subject to five items, approval was recommended for the alterations to the existing building.

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Orangeville Dufferin District Hospital

Plans were submitted showing the proposed revised layout of the remaining part of the existing building which was not razed. A memorandum was prepared recommending certain changes and revisions to the plans before final approval could be recommended.

Orillia Soldiers' Memorial Hospital Nurses' Residence

Plans were reviewed of a proposed addition to the nurses' residence and a memorandum was prepared outlining certain recommendations for revision of the plans in both the new addition and the existing building, and that the plans be so revised before proceeding with the working drawings.

Oshawa General Hospital

Revised working drawings of a proposed new addition were reviewed, which complied with the recommendations made in the previous fiscal year, and approval was recommended. It was further recommended that a nurses' station be provided in both the delivery suite on the fourth floor and the operating room suite on the fifth floor, and this space might be taken from the nurses' work rooms on these floors.

With regard to the existing buildings, it was strongly recommended that a new fire stair tower should be provided at the south end, next to new wing "A", to provide an alternative means of exit in case of fire for all patients occupying this wing. The stair should serve all floors and be constructed throughout in fire resisting construction, with a direct outside exit at grade level.

Ottawa General Hospital Paediatric Section Youville Wing

The plans submitted provide for a new Paediatric Section on the second floor of the Youville Wing with accommodation for 101 patients, which when reviewed provided, using Departmental standards of 70 square feet per bed, for 78 patients as the maximum, which was 23 less than the number shown on the original submission.

A memorandum was prepared, together with a patient accommodation schedule, with several recommendations for revision of the plans and that they be re-submitted when so revised for final approval.

Salvation Army Grace Hospital

A plan of the new nursery layout on the first and second floors was submitted and the proper locations of the scrub-up basins and hoppers were indicated, as requested.

**St. Vincent Hospital
Nurses' Residence**

After two memoranda were prepared with suggested revisions, final plans were submitted, which were recommended for approval with regard to fire stair exits.

Wing A-B

First floor plans of Wing A-B were submitted to provide for rehabilitation, physiotherapy, hydrotherapy, workshop, offices, etc., and in Wing "C" a proposed area for the study of Geriatrics.

As these appear to satisfy all the requirements for the safety and comfort of the patients and provide proper working conditions, their approval was recommended.

**Owen Sound
General and Marine
Hospital**

Sketch plans were again submitted for this hospital, which included all the requirements as recommended in my former memorandum and approval was therefore recommended.

It was pointed out, however, that as these were sketch plans, details of certain fire precautions were not shown and seven requirements were submitted for fire precautions, subject to which approval was recommended.

Working drawings were later submitted and checked, and these were recommended for final approval.

The plans provide for 107 active treatment beds, 33 bassinets and 20 psychiatric beds.

**Parry Sound
General Hospital**

Plans for two Detention rooms were submitted and a memorandum was prepared and recommendations made for the revision of the plans and specifications to meet Departmental requirements and, after three revisions, the final submission was recommended for approval.

St. Joseph's Hospital

Plans were submitted for changes on the third floor only for the conversion of a community room into three two-bed wards and one single room.

It was recommended that an alternative means of exit should be provided if this space was to be used for patient accommodation and also that a nurses' station, utility room, etc., should be provided to take care of patients at this level.

**Perth
Great War Memorial
Hospital**

Plans were submitted for an addition to this hospital to provide for 32 active treatment beds, 18 bassinets and 3 recovery beds. A memorandum was prepared with recommendations for revisions, after which a

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meeting was held with a member of the Board, the architect and officials of the Department of Health at which further recommendations were made for revisions to the plans and the plans were to be so revised and re-submitted.

Picton

Prince Edward County
Hospital

Plans were submitted consisting of plot plan and first and second floors. The writer requested the Department of Health to secure, in addition to these, an elevation and a section showing the type of construction to be used, before further comments.

These were later supplied and showed that the building was to be two storeys and basement and of fire resisting construction throughout.

Subject to our new specifications for a bottle wash room and formula room on the first floor and two detention rooms on the second floor, the plans were recommended for approval, to provide for a total of 56 adult beds and 18 bassinets.

Port Arthur

General Hospital
Nurses' Residence

The plans were again submitted for a new addition to the nurses' residence, but as these plans had not been revised in accordance with a former memorandum it was pointed out that approval could not be recommended until revisions were made on the drawings and they had been re-submitted.

General Stores Building

Plans for a proposed addition to the General Stores Building with internes' quarters and an autopsy unit were submitted and, subject to the provision of a new fire escape or an escape balcony and other fire precautions, the plans were recommended for approval.

Port Credit

South Peel Memorial
Hospital

In reply to a memorandum from the Department of Health, certain further revisions were suggested before final approval of the plans could be recommended.

Sarnia

General Hospital
Nurses' Residence

A conference was held with the architects and officials of the Department of Health with regard to the proposed addition to the nurses' residence, which will provide 50 additional beds when completed.

A meeting was held with an official of the Department of Health, the Hospital Administrator, the Architect and members of the Board, at which the plans, revised April

	28th, 1955, were discussed and found to be acceptable, except for the recommendation (not mandatory) that each nurses' room should have a wash basin.
General Hospital	The revised plans submitted were recommended for approval and these provide for a total of 85 beds, the teaching facilities being provided in the hospital.
Sault Ste. Marie Plummer Memorial Hospital Nurses' Residence	Plans for the conversion of four 4-bed wards to seven 2-bed wards were recommended for approval. Re-conversion of a private home to a nurses' residence. Floor plans only were submitted of this building and a memorandum was prepared recommending that revised plans, including plot plan and section, be submitted. Further plans were submitted and recommended for approval, subject to a revision in the fire escape.
Smiths Falls St. Francis General Hospital	A conference was held with officials of the Department of Health, the Architect and the Contractor. Plans of the second floor, showing alterations to provide for a new surgical unit, were submitted and a memorandum was prepared recommending certain revisions. Plans were again submitted, which complied with all the recommended revisions except one and, subject to this revision, the latter submission was finally recommended for approval.
Southampton Saugeen Memorial Hospital Addition to Nurses' Residence	Revised plans of a 24'x32' addition to this residence were submitted and final approval was recommended.
St. Catharines General Hospital New Nurses' Residence	Plans for a new nurses' residence with accommodation for 77 beds and three matrons' suites were submitted, consisting of three floors and partial basement excavation. These plans were recommended for approval, with the recommendation that the entire basement area be excavated but left unfinished for the present, for future expansion and utilization of this valuable space.
Sudbury Memorial Hospital	Plans were submitted for the conversion of two rooms for Psychiatric Detention purposes and these were recommended for approval, together with specifications as noted thereon.

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Thistletown Hospital for Sick Children	A pencil sketch was submitted of the first floor, showing details and location of a new elevator and this was recommended for approval.
Timmins St. Mary's Hospital	Conferences were held with officials of the Department of Health and the Architects, with reference to the proposed addition.
Toronto Branson Hospital	After several revisions of the plans, as well as conferences with the members of the Board and officials of the Department of Health, final approval was recommended.
Compensation Board Hospital	Conferences were held with members of the Board and the Architect, at which the plans were discussed and certain changes were recommended.
Doctors' Hospital	Sketch plans of a proposed addition were submitted and revisions were recommended. After a conference with the Architect, further revised plans were submitted and a memorandum was prepared recommending a few further revisions before approval.
East General Hospital	Conferences were held with officials of the Department of Health and members of the Board, including the Superintendent, the Consultant and the Architect, with regard to the proposed extension to the Out-Patient Department, and after revised drawings were submitted, these were recommended for approval, subject to certain minor changes.
Laundry and Internes' Quarters	Plans for a proposed new laundry and internes' quarters were submitted and a memorandum was prepared, with recommendations for revisions.
General Hospital Angiocardiology Room and Temporary Cardiovascular Unit	<p>Plans were submitted for an Angiocardiology Room in the north end of the existing Private Patients' Building and, subject to the provision of certain fire fighting equipment, these were recommended for approval.</p> <p>At the same time, a plan was also submitted for a temporary Cardiovascular Unit and, subject to provision of an emergency exit and fire extinguishers, this was recommended for approval.</p>
Hospital for Sick Children	A conference was held with the Architect re a proposed addition.

New Mount Sinai
Hospital
Nurses' Residence

After several conferences with a representative of the hospital and revisions of the plans for the alteration of this existing building for use as a nurses' residence, these were finally recommended for approval.

Our Lady of Mercy
Hospital
South Addition

Plans were submitted for an addition at the south end of four beds on each of four floor and, subject to the provision of a Kalamein partition, with door equipped with closer, across the corridor on each floor level, the plans were recommended for approval.

Queen Elizabeth
Hospital
New Service Building

Sketch plans were submitted for the addition of a new service building to the existing Kent Wing at this hospital and after a conference with the Architects, at which certain revisions were agreed upon, working drawings were prepared and finally recommended for approval.

Queensway Hospital
Nurses' Residence

Plans for a new nurses' residence were submitted and a memorandum was prepared recommending revisions with regard to the proportion of double and single rooms, to comply with Departmental requirements. A new set of plans was submitted for this residence, re-located on the site and with the plan reversed, and after a conference with the Hospital Consultant final revisions were made to the plans and these were recommended for approval, to accommodate 48 beds.

Salvation Army Grace
Hospital

Plans were submitted for two additions to this hospital, one to replace the existing north building and one at the south end, and a memorandum was prepared recommending certain revisions, subject to which I would recommend approval. During the preparation and revision of these plans, three conferences were held with the Architects.

Scarborough General
Hospital

Plans were submitted for a new hospital to accommodate 179 adult beds, 45 bassinets and 8 nurses, and memoranda were prepared with certain recommendations for revisions.

Nurses' Residence

Later, plans were submitted for a new nurses' residence to provide 50 beds and, subject to the provisions of certain fire fighting equipment and re-location of the tunnel, the plans were recommended for approval.

St. Michael's Hospital

Plans were submitted for a new building in which provision was made for a laundry and car park with a one-storey nurses' residence above, but designed to carry, in future, an

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

additional six storeys for nurses' residence. Memoranda were prepared with recommendations for certain revisions, particularly with reference to stairway exits and enclosing of stairway vestibules, subject to which recommendations for approval were made.

Out-Patient Department

A plan showing proposed renovations to the Out-Patient Department was submitted for comment and a memorandum was prepared with recommendations, subject to which recommendation for approval would be made.

Western Hospital Nurses' Residence

Plans were submitted for a new six-storey nurses' residence for this hospital and a memorandum was prepared noting that the ratio of single to double rooms did not comply with Departmental requirements and the plans should be revised accordingly.

Wallaceburg Sydenham District Hospital

Revised plans were submitted for this new hospital and a memorandum was prepared recommending several revisions on each floor and their re-submission for approval. Conferences were held with the Architects and officials of the Department of Health and further revised plans were finally submitted and recommended for approval, to provide for 76 adult beds and 24 bassinets.

Welland Welland County Hospital

Plans for a proposed new Health Unit were submitted and a memorandum was prepared, recommending that the plans be revised in accordance therewith.

Weston Humber Memorial Hospital

Plans were submitted for proposed parking areas at this hospital, supplementary to the original plans, and subject to being kept 50 feet from the hospital, the plans were recommended for approval.

Plans were submitted for a proposed addition to this hospital, consisting of basement and ground floor plans, and recommendations were made for revisions before I would recommend approval, including fire alarm system, hose standpipes, proper storage of inflammable gases and oxygen supply, in addition to certain changes generally throughout the services.

Winchester Memorial Hospital

Plans were received for a proposed addition to contain an assembly hall on the ground floor and administrative offices on the first

floor and, subject to the provision of satisfactory direct outside exits from the administrative offices and the provision of staff toilet accommodation for both sexes, as well as hose standpipes, the plans were recommended for approval.

Windsor
Hotel Dieu Hospital

Plans were received for a proposed new addition to this hospital, six storey in height, which will provide for 193 adult beds and 14 nursery bassinets, and a memorandum was prepared as well as a patient accommodation schedule, which recommended certain revisions on each floor and that the plans be so revised and re-submitted for approval.

Metropolitan General
Hospital

Further revised plans were received for the new Psychiatric wing to this hospital, which would provide for 30 Psychiatric beds and 31 active treatment beds on two separate floors, and these were recommended for approval.

SANATORIA

Kingston
Ongwanada Sanatorium

Plans for two new recovery rooms were submitted and recommendations were made for revision so as to have these two rooms adjoining one another for better supervision, subject to which approval was recommended.

PRIVATE HOSPITALS

Clarksburg
Hillcrest Haven

A report was prepared with regard to a proposed open chute type of fire escape, which was not recommended and instead a proper stair type, in accordance with Departmental detail, was approved and constructed. A patient accommodation schedule was also prepared, showing a maximum patient accommodation of 12 beds.

Clarkson
Pines Rest Home

A plan was submitted for the conversion of an open balcony by enclosing three sides, to provide accommodation for one additional bed and not two as requested, as the remaining area must be reserved for access to the existing fire escape.

Fergus
Victoria May Maternity
Home

A submission was made to the Department of Health for my comments with regard to certain proposed changes to this Maternity Home and a memorandum was prepared, outlining recommendations subject to which patients may be accommodated on the second floor, provided, however, that all the recommendations in a former memorandum had also been carried out.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Geraldton

Little Long Lac
Private Hospital

Sketch plans of proposed alterations and additions to this private hospital were submitted and a memorandum was prepared, recommending certain revisions and that revised drawings should again be submitted for approval.

Hamilton

Mrs. Florence McKenzie,
83-85 Emerald Street
South

A memorandum was prepared requesting further information and plans, showing the proposed use and occupancy of all rooms, should be submitted before consideration could be given and a report prepared, as well as photographs of all four sides of the building.

Hawkesbury

Dr. Smith's
Private Hospital

Two conferences were held with Dr. Smith with regard to a proposed addition.

Kapuskasing

Sensenbrenner
Private Hospital

A submission was made with regard to emergency lighting at this private hospital and a memorandum was prepared recommending approval of the installation to be carried out in accordance with the precautions outlined in the Townsite Manager's memorandum.

Lakefield

Maryhill Nursing Home

Plans were submitted for the conversion of this Nursing Home to a private Hospital and a memorandum was prepared, outlining certain recommendations necessary to be completed before recommendation for a private hospital licence could be made and revised plans should be submitted accordingly for final approval.

Lindsay

Spruce Lawn Rest Home,
245 Kent Street,
Mrs. Burke

An inspection was made of this property by me and a sketch plan was prepared, together with a memorandum outlining recommended alterations, subject to which approval would be recommended for the use of this building as a private hospital.

Mrs. Waterman's

Proposed Private
Hospital, 51 Adelaide
Street, North

In company with the Chief Medical Inspector of Hospitals, a visit was made to this building and a memorandum was prepared outlining the necessary changes to the building in order to accommodate patients on the second as well as the ground floor, subject to which a private hospital licence was recommended, but it was strongly recommended at that time that all patients be accommodated on the ground floor and the owner use the second floor for her own private residence only, instead of the ground floor.

At the owner's request, a second inspection was made and a memorandum was prepared recommending certain minor revisions for the use of the ground floor only as a private hospital, which would provide a maximum of 10 beds.

London
Egerton Private Hospital

The plans first submitted were incomplete and a request was made for a plot plan, floor plans drawn to scale, and a section showing type of construction, together with elevations or photographs of the four sides of the building.

Upon receipt of these, a further memorandum was prepared recommending certain alterations and additions together with a patient accommodation schedule showing a maximum accommodation of 12 beds and not 16, as requested.

Milverton
Amish-Mennonite
Missionary Society
Proposed Nursing
Home

In reply to a request from the Medical Inspector of Private Hospitals, together with attached pencil sketches of this proposed medical private hospital, a memorandum was prepared requesting photographs and recommending that the plans be revised in accordance with the memorandum and re-submitted for approval. The proposal provided for 11 beds on the first floor and 10 beds on the second floor, making a total of 21 beds.

Niagara Falls
Pasadena Rest Home

Plans were submitted for the use of this building as a proposed private hospital, but on examination it was found to be of frame construction throughout and therefore accommodation of patients and use as a private hospital could only be recommended on the ground floor, subject to certain alterations and additions being made to comply with our requirements, as well as the provisions of certain fire precautions.

Perth
Yore Home House,
67 Drummond St. E.

At the request of the Department of Health, a patient accommodation schedule was prepared showing a maximum accommodation of 14 beds for this nursing home.

Seaforth
Thamer-Rowland
Nursing Home

A memorandum was prepared and recommending certain alterations and additions to the plans submitted and re-submission for approval when so revised.

Stouffville
Brierbush Private
Hospital

A conference was held with the Chief Medical Inspector of Hospitals with regard to this institution.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Thornhill

Dr. Sholdice's
Surgery

In reply to a memorandum received from the Department of Health, together with plans of a proposed new elevator, a memorandum was prepared outlining certain recommendations for revision, subject to which approval would be recommended.

Toronto

Annex Nursing Home
18 Spadina Road

In accordance with a request from the Department of Health, an inspection was made of this building in company with the Chief Medical Inspector of Hospitals, after which a memorandum was prepared outlining a number of recommendations which should be carried out in order to make this building safer for use and occupancy as a nursing home.

Dr. Campbell's Proposed
Orthopaedic Hospital,
215-217 Victoria
Street

A new proposal was submitted to establish the entire hospital on the first floor of this five storey building, instead of on the fifth floor as recommended for approval in the previous year. A memorandum was prepared, outlining certain recommendations which should be carried out and subject to which I was prepared to recommend approval of the plans for this new proposal.

Dr. John Rekai's
Proposed Private
Hospital,
331 Sherbourne
Street

Sketch plans were submitted for the alteration of the existing building at this address for conversion to a private hospital and after conferences with the architect and submission of preliminary sketch plans, memoranda were prepared recommending certain revisions. After further conferences with the architect and revisions, the plans were finally submitted which were recommended for approval.

Dr. Rudd's Proposed
Private Hospital

A memorandum was prepared with recommendations for revisions to plans submitted.

Vaughan Township
Miss Mackie's Proposed
Private Hospital,
Bathurst Street

After reviewing the plans submitted of this building a memorandum was prepared recommending certain alterations and additions, subject to the carrying out of which approval would be recommended, but the plans should be revised accordingly and re-submitted for this approval.

Welland

Ashdene Nursing Home,
R.R. No. 2

A conference was held with the owners and the Chief Medical Inspector of Hospitals with regard to this proposal.

Willowdale
Dr. Bell's Clinic

A patient accommodation schedule was prepared, increasing the total bed capacity from 8 to 9 beds.

Later, plans for a proposed basement and one storey addition were submitted by the architects and notes were prepared for both the architects and for file with regard to the type of construction and the planning of this addition, subject to which approval would be recommended.

Woodstock
Proposed Nursing Home
210 Vansittart Ave.

Rough sketch plans were submitted for this existing building and a memorandum was prepared outlining the alterations and additions deemed necessary before approval could be recommended.

All of the plans, correspondence and memoranda referred to above are on file for reference.

Respectfully submitted,

V. L. GLADMAN, B.Sc., M.R.A.I.C., P.Eng.,

Architect.

Statements
of the
Accountant
of
Public Works Department
1955-1956

Department of Public Works, Ontario,

TORONTO, March 31st, 1956

Colonel The Honourable Wm. Griesinger, M.P.P.,
Minister of Public Works.

Sir:

I have the honour to submit detailed statements of Ordinary Expenditure of Civil Government and maintenance and repairs of Government Buildings and Public Works; also Capital Expenditure on Provincial Government Buildings and Public Works, during the fiscal year which ended on the 31st of March, 1956.

I have the honour to be, Sir,

Your obedient servant,

A. A. EASSON,

Chief Accountant.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

REPORT OF THE ACCOUNTANT

The following figures show the increased volume of construction accomplished this year.

EXPENDITURES

<i>Fiscal Year</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
1955-56	\$ 5,861,387.32	\$24,904,509.70	\$30,765,897.02
1954-55	7,375,962.20	20,009,761.66	27,385,723.86
	<hr/>	<hr/>	<hr/>
	\$ 1,514,574.88	\$ 4,894,748.04	\$ 3,380,173.16
Percent Increase		24.48%	12.34%
Percent Decrease	20.53%		

SUMMARY OF EXPENDITURE

FOR FISCAL YEAR APRIL 1st, 1955, to MARCH 31st, 1956

<i>Service</i>	<i>Ordinary</i>	<i>Capital</i>	<i>Total</i>
Main Office—Administration expenses, etc.	\$ 1,007,077.72		\$ 1,007,077.72
Maintenance and Repairs—			
Government Buildings	4,157,608.77		4,157,608.77
Public Works—Maintenance	66,217.30		66,217.30
Public Works—Aids to			
Drainage	37,100.12		37,100.12
Public Buildings		24,504,990.20	24,504,990.20
Public Works		328,409.42	328,409.42
Miscellaneous	82,459.34	71,110.08	153,569.42
Statutory—Drainage Aid	486,905.33		486,905.33
Special Warrant	24,018.74		24,018.74
	<hr/>	<hr/>	<hr/>
Total Net Expenditure	\$ 5,861,387.32	\$24,904,509.70	\$30,765,897.02

STATEMENT OF REVENUE

Commissions on telegraphs and telephones	\$ 6,196.52	\$ 6,196.52
Sale of material	9,216.88	9,216.88
Rentals	158,327.02	158,327.02
Perquisites	2,214.00	2,214.00
Building equipment	959.90	959.90
Miscellaneous	395.68	395.68
20% (or more) Farmers' contributions towards cost to Provincial Aid to Drainage in unorganized Townships in Northern Ontario	4,894.38	4,894.38
Refunds re Hurricane Hazel, October 15-16, 1954	51,359.83	51,359.83
Sale of property		19,691.60
Deposits with tenders and plans		2,120.00
	<hr/>	<hr/>
	\$233,564.21	\$255,375.81

TORONTO,
March 31st, 1956

A. A. EASSON,
Chief Accountant.

**STATEMENT OF EXPENDITURE, MAIN OFFICE,
MAINTENANCE, REPAIRS and CONSTRUCTION of
PUBLIC BUILDINGS
FOR FISCAL YEAR ENDING MARCH 31st, 1956**

ORDINARY

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
MAIN OFFICE		
Minister's salary	\$ 10,000.00	\$
Salaries	659,542.13	
Travelling Expenses	18,278.75	
Maintenance	66,123.85	
Insurance	33,618.72	
Local Improvement taxes	18,023.76	
Unforeseen and unprovided	70.10	
Compensation—medical, etc., for injured workmen	56,924.99	
Cost of living bonus	98,885.80	
Unemployment Insurance stamps	45,631.77	
	-----	1,007,077.72
GENERAL SUPERINTENDENCE		
Salaries	174,233.98	
Services, travelling and other expenses	22,731.49	
	-----	196,965.47
LIEUTENANT-GOVERNOR'S APARTMENT		
Salaries	5,379.96	
Maintenance	2,736.41	
	-----	8,116.37
LEGISLATIVE AND DEPARTMENTAL BUILDINGS		
Administrative Services:		
Salaries	71,389.35	
Telephone service	247,663.40	
Typewriter inspection and repairs for all Departments	27,871.67	
Maintenance Staff:		
Salaries — permanent	\$294,926.51	
temporary	344,640.38	
casual	264,174.85	
	-----	903,741.74
Maintenance:		
Fuel, light, gas, water and power	\$260,154.27	
Cleaning supplies, upkeep of grounds	76,339.55	
Furniture, furnishings and equipment for buildings	10,586.79	
	-----	347,080.61

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
Repairs to Buildings:		
Salaries—Mechanical staff	\$188,165.37	
Repairs and alterations	335,887.37	
	<hr/>	
	524,052.74	
	<hr/>	
	\$ 2,121,799.51	
Deduct Rentals	3,000.00	
	<hr/>	
		2,118,799.51

OSGOODE HALL AND ONTARIO GOVERNMENT OFFICE BUILDING

Salaries — permanent	\$ 49,481.83	\$	\$
temporary	37,948.46		
casual	76,316.64		
	<hr/>		
	163,746.93		
Maintenance:			
Fuel, light, water and power	20,204.13		
Furniture, furnishings, etc.	6,687.08		
Telephone service	8,983.10		
Cleaning of buildings, etc.	8,216.33		
General repairs and alterations	39,237.30		
	<hr/>		
	83,327.94		
	<hr/>		
			247,074.87

GOVERNMENT BUILDINGS

Repairs, alterations and incidentals for Departments of:

Agriculture	115,743.06	
Attorney General	71,044.35	
Education	129,341.35	
Health	524,029.12	
Lands and Forests	70,425.13	
Reform Institutions	101,862.86	
Travel and Publicity	3,210.82	
Others	3,233.66	
	<hr/>	
		1,018,890.35

ONTARIO GOVERNMENT BRANCH OFFICE BUILDINGS

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
Maintenance:		
Salaries of Caretakers, cleaning supplies, fuel, electricity, water, repairs, etc.		
Kemptville	\$ 1,332.79	
Kingston	13,708.97	
London	4,204.66	
Matheson	3,574.69	
New Liskeard	2,269.85	
Regional Buildings	7,079.54	
	<hr/>	32,170.50
General:		
Rentals and caretaking of leased premises and expenses in connection therewith	535,591.70	
	<hr/>	567,762.20
MAINTENANCE OF LOCKS, ETC.		
Maintenance:		
Salaries — Lockmasters, Supervising Foremen, etc.	28,901.41	
Repairs to locks, dams, etc.	34,684.29	
Equipment	544.50	
Maintenance of Hawkesbury-Grenville Bridge	2,087.10	
	<hr/>	66,217.30
AID TO DRAINAGE		
Salaries and expenses in connection with preparing drainage schemes and for construction, improvement or reconstruction of trunk channels for farm drainage in Northern Ontario		37,100.12
STATUTORY		
For details refer to report of Deputy Minister of Public Works (Engineering)		486,905.33
MISCELLANEOUS		
Preparing and installing exhibits for Government Departments, including costs of electric services and other expenses in connection therewith	35,753.09	
Expenses in connection with Hurricane "Hazel"	46,706.25	
	<hr/>	82,459.34
SPECIAL WARRANT		
Ontario Water Resources and Supply Committee		24,018.74
TOTAL ORDINARY EXPENDITURE		<hr/> \$ 5,861,387.32

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1955

<i>Service</i>	<i>Amount</i>	<i>Amount</i>
	\$	\$
CAPITAL		
PUBLIC BUILDINGS		
To provide for construction of new buildings and works, purchase of lands and buildings and other expenses, including additions, alterations, equipment and extension of services to existing buildings and works	24,504,990.20	24,504,990.20
PUBLIC WORKS		
Municipal Drainage, including Grants in aid thereof	11,207.02	
Storage dams and docks	317,202.40	
		328,409.42
MISCELLANEOUS		
Grant — City of Sudbury	1,000.00	
Aid — Remedial Works, etc	70,110.08	
		71,110.08
TOTAL CAPITAL EXPENDITURE		\$24,904,509.70

SUMMARY

ORDINARY EXPENDITURE

Main Office and Maintenance and Repairs of Government Buildings	5,861,387.32
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CAPITAL EXPENDITURE

Public Buildings and Public Works	24,904,509.70
	<u>30,765,897.02</u>

A. A. EASSON,
Chief Accountant.

TORONTO,
March 31st, 1956.

REPORT
OF THE
DEPUTY MINISTER OF PUBLIC WORKS
(ENGINEERING)

THE HONOURABLE WM. GRIESINGER, M.P.P.,
Minister of Public Works,
Toronto, Ontario.

Sir:

I have the honour to submit to you the accompanying Report of the Chief Hydraulic Engineer covering the activities of the Department of Public Works on Dams, Docks, Locks, Drainage, etc., for the fiscal year, April 1, 1955, to March 31, 1956.

In the Report of the Chief Accountant will be noted reference to expenditures of the Ontario Water Resources and Supply Committee. This covered the expenses of the investigating Committee studying the problems of dwindling water supply and stream pollution, particularly in south-western Ontario.

I have the honour to be, Sir,

Your obedient servant,

J. D. MILLAR,

Deputy Minister of Public Works (Engineering)

Toronto, March 31, 1956.

REPORT OF THE ENGINEER

Parliament Buildings,
Toronto, Ontario,
March 31, 1956.

Mr. J. D. Millar,
Deputy Minister, Engineering,
Department of Public Works.

RE: CHIEF HYDRAULIC ENGINEER'S REPORT, 1955-56 DAMS, DOCKS, LOCKS, DRAINAGE, ETC.

The work performed under the supervision of the Departmental Chief Hydraulic Engineer during the fiscal year 1955-56 was as follows:

SUMMARY

The investigation, survey, design, inspection and approval of the work on dams, docks, locks, etc., was done under the direct supervision of the Hydraulic Engineer, Structures. All work was performed by day labour under the direction of Departmental Foremen and by employing local labour wherever possible, except as may be noted.

The regular maintenance of dams, docks, locks and navigable channels was carried out and repairs were made where necessary. Removal of driftwood and obstructions from the dam sites was continued. Navigation routes were marked with buoys and underwater obstructions were removed where required in the Muskoka and Magnetawan areas.

Four concrete dams, previously commenced, were completed; one concrete dam, previously constructed, was provided with a concrete apron; eight concrete dams were commenced this year and seven of them were completed and one partially reconstructed. Two of these dams will need minor finishing work on earth fill and the installation of operating mechanism which will be done during the coming year. Additional docking space was provided for small water craft at Port Carling, Muskoka. Major repairs were effected to five concrete dams and three timber dams and wharves. These projects are all detailed below.

The processing of applications from Municipalities for grants towards the cost of drainage works under the provisions of The Provincial Aid to Drainage Act, and the inspection and approval of the works were carried out under the direct supervision of the Hydraulic Engineer, Drainage.

Financial aid under the provisions of The Provincial Aid to Drainage Act, 1954, amounted to a total of \$508,991.41 on 421 drainage schemes throughout the Province, of which \$486,905.33 was paid toward 400 drainage schemes in organized Townships and \$22,086.08 on 21 drainage schemes in unorganized Townships. Grants totalling \$10,527.93 were paid in aid of Municipal Drainage projects. Grants under Aid — Remedial Works amounted to \$70,110.08. Details are set out below, under their respective headings.

DETAIL

DAMS, DOCKS, LOCKS, ETC.

Cache Lake Dam, Township of Canisbay, Nipissing District

The worn-out timber deck of the existing concrete dam was replaced by a new timber deck which is 17 feet long and ten feet wide. A pair of new gear winches was installed on the deck for operation of the stop logs. A wooden hand rail was constructed around the deck. Minor repairs were made to the concrete piers and wing walls of the dam. The work was completed in September, 1955.

Charlton Dams, Township of Dack, Temiskaming District

At the request of the Department of Lands and Forests, the three old concrete dams across the outflow channels of the Englehart River in the Village of Charlton were reconstructed this fiscal year. The old dams were constructed around 1914 for electric light and power generation purposes and have maintained water levels on the Robillard Lake and a portion of the Englehart River. At a later date generation of electric energy was terminated and the maintenance of the dams discontinued. The old concrete structures had severely decayed and were no longer capable of holding water.

The deteriorated concrete structures and the remnants of old timber cribs, which partly blocked the outflow channels, were removed. The river bed on all three dam sites was found to be solid rock and satisfactory for a watertight foundation. The worn surface of the rock was blasted off and a cut-off wall was installed at least one foot into solid rock along the whole length of the new structures which also provided a satisfactory bond between the rock and the concrete. The new dams were designed in reinforced concrete, by the Engineering staff of this Department. The work of reconstructing the dams was commenced in May, 1955, and completed in November, 1955. A description of each dam is as follows:

East Dam

The total length of this dam, including the reconstructed portion of wing walls, is 165 feet. It has three sluiceways, 15 feet, 15 feet 2 inches and 13 feet 10 inches wide, respectively, the varying widths being dictated by the piers of a highway bridge located immediately downstream of the dam. The sluiceways are fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the observed high water level is 8 feet and the top of the deck is 3 feet 6 inches above this level. The deck is 70 feet long, 11 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of stop logs in the three sluice gates. A steel pipe hand rail was installed around the deck for safety of operation.

Centre Dam

This dam is 113 feet long, including the new wing walls. It has one sluiceway 17 feet 10 inches wide, fitted with steel chases and timber stop logs. The head of water from the sill to the observed high water level is 8 feet 3 inches and the top of the deck is 3 feet 6 inches above this level. The deck is 25 feet 10 inches long, 11 feet wide and 12 inches thick. A pair of stationary gear winches, mounted on concrete winch piers, provides for easy operation of stop logs. The deck is surrounded by a steel pipe hand rail.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

West Dam

The total length of this dam, including wing walls, is 225 feet. The dam has three 12-foot sluiceways fitted with steel chases and timber stop logs. The head of water from the easterly sluiceway sill to the observed high water level is 10 feet 2 inches, and in the remaining sluiceways it is 11 feet. The top of the deck is 3 feet 6 inches above the high water level. The deck is 60 feet long, 11 feet wide and 12 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of stop logs in the three sluice gates. A steel pipe hand rail was installed around the deck for safety of operation. The westerly river bank was reinforced with gravel fill and rock rip-rap to protect the bank and the adjoining highway embankment from being underwashed by the discharge flow.

Crow Lake Dam, Kenora District

At the request of the Department of Lands and Forests, the dam at the foot of Crow (Kakagi) Lake was reconstructed this fiscal year. The old lumbermen's dam with a log driving sluice which had been built with rock filled timber cribs many years ago, had decayed beyond repair. It could no longer hold up the water level of the lake and a low lake level during the summer season caused danger to navigation and to landing of aircraft.

The dam was reconstructed with reinforced concrete, as designed by the Engineering Staff of this Department. The outflow channel between Crow Lake and Cedar Lake was cleared and widened to suit the maximum flow through the new structure which can be expected during spring freshet periods. The worn surface of the bed rock was blasted off and a cut-off wall was cut at least one foot into solid rock along the whole length of the structure. By these means a satisfactory bond was provided between the bed rock and the concrete foundation of the dam. The new dam is 120 feet long. It has two 14-foot sluiceways, each fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the controlled water level is 7 feet and the sluiceway deck is four feet above this level. The deck is 40 feet long, 11 feet wide and 12 inches thick.

Concreting of the dam was proceeded with in cold weather during the months of October and November, 1955, and heating of aggregate and water and curing of the concrete with steam, under cover, was applied. In December, 1955, the work was completed to the extent that the dam can hold the lake at the desired level but installation of gear winches, for easier operation of stop logs, and of a hand rail around the deck was postponed. This will be completed next year as soon as weather conditions will permit. At the same time complementary work on finishing and earth fill, cleaning up of the site, etc., will be carried out.

Kashegaba Lake Dam, Township of Burton, Parry Sound

A pair of new gear winches was installed for operation of the stop logs. Improvements were made to the sluiceway deck to suit the new type of winches. The work was completed in May, 1955.

Kearney (Ayers) Dam, Township of Perry, Parry Sound District

The dam across the Magnetawan River near the Town of Kearney was originally built about the year 1883, and was then known as Galbraith Dam. It served the interests of lumbering companies, was repaired many times and was washed out by the spring flood in 1929. The present dam was built by this Department in 1941 as a rock filled crib structure. In 1954 it was found that the upper portion of the crib work and timber sheeting was decayed to such an extent that reconstruction was necessary. The dam provides water storage for the needs of the Town of Kearney and also serves the interests of the Department of Lands and Forests for forest protection and navigation on the Magnetawan River. Partial reconstruction of the dam with timber and rock and gravel fill was carried out and completed in July, 1955. The deteriorated upper portion of the cribs was removed, new cribwork, floor and upstream sheeting were installed and rock and gravel added where necessary. The dam is approximately 125 feet long and has four sluiceways 12 feet wide and 2 feet deep.

Lac des Mille Lacs Dam, Thunder Bay District

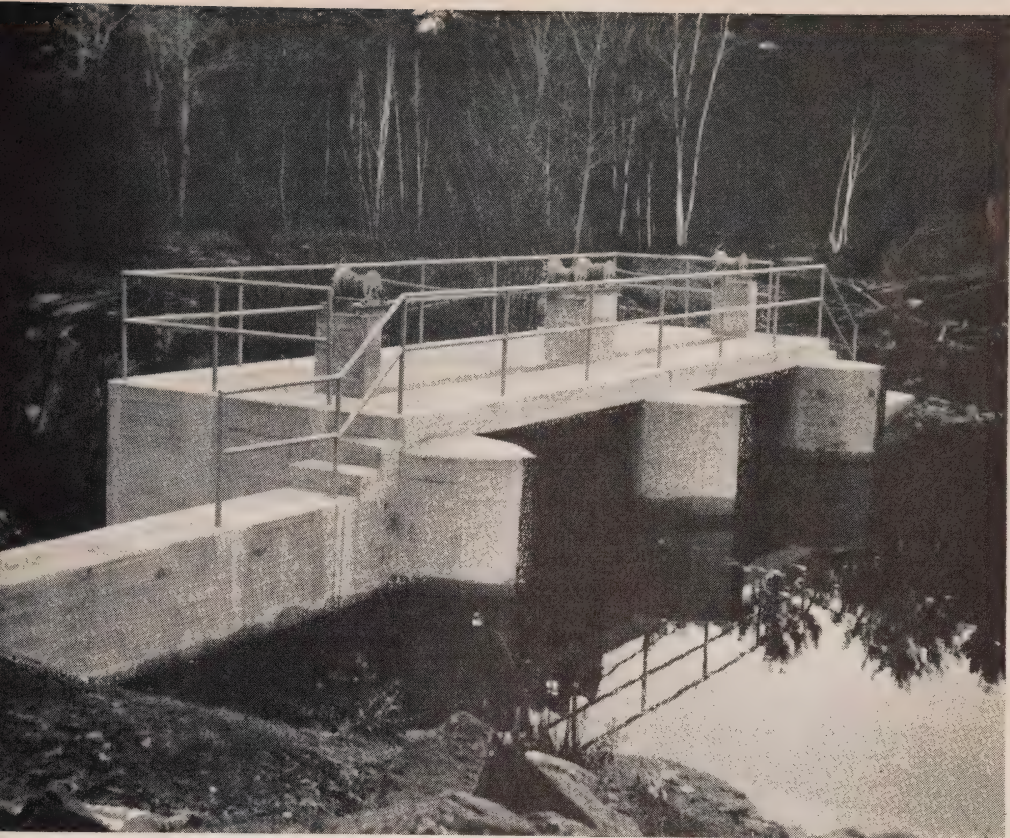
In February, 1955, the new reinforced concrete dam was completed to the extent that water in the lake could be maintained at the desired level. This fiscal year, complementary work on the downstream apron, on grading of the earth fill and on improvement of the easterly river bank, downstream on the dam, was carried out and the project of reconstructing the dam was completed.

A slab of reinforced concrete was placed on the top of the gravel filled portion of the downstream apron between the sill slab of the dam and the rock filled cribwork. The slab was made 18 inches thick, 16 feet wide and 134 feet long. The rock fill along the timber crib, which forms the end of the downstream apron, was levelled off and readjusted. Gravel fill along the easterly wing wall of the dam was regraded and the site cleared. Rock and coarse gravel fill was placed along the easterly bank of the Seine River at the automatic gauge, about 300 feet downstream of the dam, for protection of the gauge underwashing. The intake pipe of the gauge was extended by 20 feet, to suit the new slope of the bank. Improvements were made to the road leading to the dam site from Highway No. 17.

Little Rapids Dam, Thessalon Township, Algoma District

The old concrete dam across the Little Thessalon River near the Village of Little Rapids was constructed around 1920. It had served for many years as a storage dam for a small power plant which generated electrical energy for the Town of Thessalon, and also for water supply for the Village of Little Rapids. At a later date the operation of the power plant was terminated and the penstock between the dam and the power plant removed. In 1954 the dam was taken over by the Department of Lands and Forests.

The old dam had severely decayed, leakage had developed under its foundation and repairs or reconstruction of the dam were requested by the Department of Lands and Forests. This fiscal year, the westerly end of the wing wall approximately 40 feet in length, was reconstructed and one new 14-foot sluice gate was installed. The head of water from the sill of the new sluiceway to the controlled water level is 10 feet and the



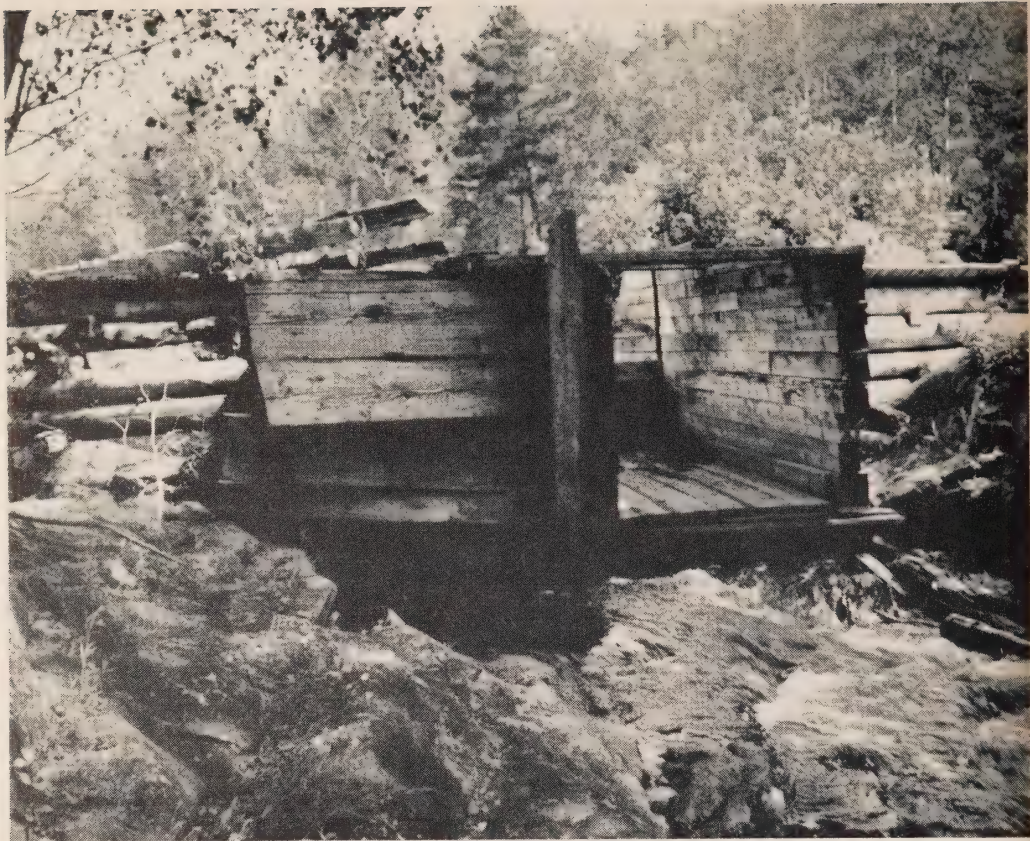
Showing Steel Angles on Piers For Breaking Ice Jams

LOON LAKE DAM (ANGLESEA TOWNSHIP)
LENNOX AND ADDINGTON COUNTY

top of the deck is 4 feet above this level. The new gate and wing wall were designed in reinforced concrete and the easterly pier of the gate was constructed in such a way that it can serve as an intermediate pier for additional gates which may be installed later. The new sluiceway was fitted with steel chases and timber stop logs and a pair of gear winches was installed on the deck for operation of the stop logs. The work was completed in November, 1955. The remainder of the old dam, about 100 feet in length, was repaired and left in place and will temporarily satisfy the requirements. Further work on the reconstruction will be decided upon, depending on the durability of the remaining portion of the old structure and the requirements of the Department of Lands and Forests.

Loon Lake Dam, Township of Anglesea, Lennox and Addington County

The Department of Lands and Forests requested that the concrete dam at the outlet of Loon (Skootamata) Lake be rebuilt. The old dam was built in 1934 by a Mining Company as a storage dam in connection with its power development on the Skootamata River. Later the activities of the company ceased, the license of occupation was cancelled



Before Construction of the New Concrete Dam
MAINVILLE LAKE DAM (RAINY RIVER DISTRICT)

and in 1943 the dam was taken over by the Department of Lands and Forests. Since that time the dam has been maintained and operated by the Department of Lands and Forests to stabilize the water levels in Loon Lake. In addition to the main concrete dam, there are two plug dams, one built with rock filled timber cribs and the other with gravel fill, for closing two by-pass outlets and directing the flow into the main river channel. Leakage developed in all these dams. During an inspection in 1954 it was decided that the concrete dam as well as both the plug dams had deteriorated to such an extent that reconstruction was necessary.

The new structure was designed by the Engineering Staff of this Department and reconstruction of the dam with reinforced concrete was carried out this fiscal year. The work was completed in October, 1955. The main dam is 131 feet long. It has two 12-foot sluiceways fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the controlled water level is 10 feet 9 inches and the top of the deck is 4 feet above this level. The structure is based on solid rock. The bond between the concrete and the bedrock was provided along the whole length of the dam by blasting off the worn surface of the rock or cutting a cut-off wall at least one foot into solid rock. The operation deck over



After Construction of the New Concrete Dam
MAINVILLE LAKE DAM (RAINY RIVER DISTRICT)

the sluiceways is 36 feet long, 12 feet wide and 12 inches thick. Two pairs of gear winches were installed for operation of stop logs and a steel pipe hand rail was extended along both sides of the deck for safety of the operating crew.

The plug dams were also reconstructed with reinforced concrete. One of these dams is located 900 feet north-east from the main dam. It was made approximately 100 feet long, up to 6 feet high and 2 feet 6 inches wide across the crest. The crest of this dam was placed at the elevation of the controlled water level and provides for discharge of flood water through this channel during freshet periods in addition to the flow through the main dam. The second plug dam was made 12 feet long and 5 feet high. It closes a channel at the west end of the main dam.

Mahzenazing River Dams, Township of Carlyle, Manitoulin District

Repairs were made this fiscal year to the existing timber crib dam across the Mahzenazing River at Collins Inlet. The timber sheathing along the upstream face of the dam was repaired and a gravel carpet was placed in front of it over the whole length of the dam. The work was completed in July, 1955.

Mainville Lake (Big Canoe River) Dam, Rainy River District

The old timber crib dam across Big Canoe River at the foot of Mainville Lake was originally installed in 1904 by lumbering operators for log driving and maintaining water levels in Mainville, Obikoba and Cuttle Lakes. The water route across these lakes had been considered important also for forest fire prevention and fire fighting. The old dam had undergone many repairs but had become severely decayed. Leakage developed through the crib structure and the water level in the lakes dropped, which made navigation difficult. At the request of the Department of Lands and Forests, the dam was reconstructed during this fiscal year.

The new dam was designed in reinforced concrete by the Engineering staff of this Department. It is 130 feet long and has two 12-foot sluiceways. The head of water from the sluiceway sill to the controlled water level is 9 feet and the sluiceway decks are 4 feet above this level. The structure is based on solid rock. The necessary bond between the concrete and the bedrock was provided along the whole length of the dam by blasting off the worn surface of the rock or constructing a cut-off wall at least one foot into solid rock. Each sluiceway is fitted with steel chases and timber stop logs. The operation deck over each sluiceway is 11 feet wide, 20 feet long and 12 inches thick. Two pairs of gear winches were installed for operation of stop logs and a steel pipe hand rail was installed around each deck for safety of operation. The new dam was completed in November, 1955.

McCreights Dam, Kirkwood Township, Algoma District

The existing concrete dam across Little Thessalon River immediately upstream from the old Chapleau Road bridge was constructed in 1943 as a storage dam for power generation and was taken over by the Department of Lands and Forests in 1954. It has two 12-foot sluice gates and one sluice valve 3 feet in diameter. At the request of the Department of Lands and Forests, repairs were carried out this fiscal year to the sluice valve and to the operating deck of the dam. The sluice valve was overhauled and made suitable for operation. A new deck of reinforced concrete was built over the sluiceways and a pair of gear winches was installed for operation of stop logs. Another pair of winches will be installed early next year. The new deck was made 38 feet 3 inches long, 12 feet 6 inches wide and 12 inches thick. A reinforced concrete bridge slab was extended from the deck to the southerly river bank for easier access to the operating platform. The bridge slab is 30 feet long, 3 feet 7 inches wide and 12 inches thick.

Monteith Dam, Cochrane District

The dam across the Driftwood River at Monteith was reconstructed by this Department with reinforced concrete during the fiscal year 1952-53. During the fiscal year of 1955-56, a downstream apron was added to the dam to serve as a stilling basin for the discharge flow and to protect the river bottom from erosion. The apron was built as a reinforced concrete slab with an elevated sill along the downstream edge and still blocks. It is 40 feet wide and 18 inches thick and is extended along the three sluice gates of the dam and joined to both banks. Its length is approximately 65 feet. The apron was based on gravel fill which was well consolidated. The slope of the wing embankment on the easterly river bank was regraded to suit the new arrangement.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Nepewassi Lake Dam, Appleby Township, Sudbury District

At the end of the last fiscal year the new reinforced concrete dam was completed except for final grading of the earth fill. This was accomplished early this year along the concrete wing walls on both river banks. There has been no final decision yet as to the elevation at which the lake level should be permanently maintained during the summer season and a survey of the lake levels will be carried out by the Department of Lands and Forests. The dam was designed and constructed to suit the possible fluctuations of the controlled water level of the lake.

Opeongo Lake Dam, Township of Preston, Nipissing District

The Department of Lands and Forests requested that the timber crib dam at the outlet of Opeongo Lake be rebuilt in order to stabilize water levels in that lake. The existing lumbermen's dam was built in 1930 to replace an older dam built many years previously. The lumbermen's dam underwent many repairs. Some repairs were carried out by the Hydro-Electric Power Commission of Ontario in an effort to provide water storage for power plants in this area. At a later date, the use of this lake for storage purposes was abandoned, but for many years the Division of Research of the Department of Lands and Forests has carried out continuous studies of spawning areas in Opeongo Lake and has made considerable investment in creating spawning beds for which maintenance of water levels in the lake is essential. The old timber dam had severely decayed and could not serve the purpose any longer.

The new dam was designed in reinforced concrete and earth fill by the Engineering Staff of this Department and the construction work was carried out this fiscal year. The new dam was completed in December, 1955. Because of cold weather at that time, the grades of the earth fill could not be finished and this will be completed next year.

The new structure consists of a main dam with sluiceways and a plug dam which closes a by-pass channel near the south-westerly end of the main dam. The sluiceway portion of the main dam is built with reinforced concrete. It rests on solid rock and is based on a foundation slab 108 feet long, up to 31 feet wide and varies from two to four feet in thickness. It has three 14-foot sluiceways each fitted with steel chases and timber stop logs. The head of water from the sluiceway sill to the controlled water level is 7 feet 6 inches and the top of the deck is 3 feet 6 inches above this level. The deck is 66 feet long, 17 feet wide and 16 inches thick. A pair of movable gear winches on steel rails was installed on the deck for operation of stop logs in the three sluice gates. The deck was designed for passage of vehicles across the dam. It has curbs and railing along both sides to provide for safety of the traffic and of the operation of the dam.

The wing walls of the main dam were built of earth fill, with a reinforced concrete core wall extending along the centre line of the fill embankment and keyed into the river banks.

The core wall is 18 inches thick at the top and 3 feet thick at its foundation. The upstream part of the earth fill was made as a well

compacted combination of clayish sand and fine gravel to serve as an impervious fill. The downstream portion of the fill was composed of gravel and boulders. The earth filled wings were made 18 feet wide across the top, to serve as a roadway across the dam. The total length of the main dam, including wings, is 410 feet.

The plug dam was built of earth fill, with the upstream portion composed of clayish sand and gravel and well consolidated to serve as an impervious blanket. The dam is 270 feet long, up to 7 feet high and 18 feet wide across the top. It serves as a roadway for passage across the dam and for future extension of the road on the westerly river bank.

Orono Dam, Clark Township, Durham County

The dam was reconstructed with reinforced concrete and earth fill during the previous fiscal year. This year, extension of the downstream apron and improvement of the river bed downstream of the dam was carried out. The work was completed in July, 1955. The downstream apron was built of reinforced concrete. It consists of a floor slab which is 29 feet long, 20 feet wide and 2 feet thick and of retaining walls along both sides of the slab. Depending on the elevation of the tail water, the apron serves as a stilling basin for the flow. The slopes of the earth-filled embankments were adjusted to suit the new shape of the structure and were regraded on both river banks.

Port Carling Lock, Muskoka District

The work on reconstruction of the large lock was completed during the early summer period of the previous fiscal year. This year, additional improvements were made to the swing bridge.

An asphalt surface was placed on the swing bridge floor and the pier between the swing span and the permanent span was repaired by refacing it with reinforced concrete. Improvements were also made to the small lock. The worn-out mechanism for operation of the gates was taken out and replaced by a better type of strut and gear mechanism which was mainly composed of the parts salvaged from the reconstruction of the large lock. The wharf at the north-westerly end of the large lock was re-surfaced with new timber planking. The floating dock which is joined to the westerly end of this wharf was raised by 3 inches and covered with a new timber floor. A new section of a floating dock was built with timber and steel tanks. It is 46 feet 5 inches long and 12 feet 10 inches wide. It will be anchored as an extension to the existing floating dock and will provide additional docking facilities downstream from the locks. A storage area for keeping the steel stop logs of the large lock was built on the river bank near the end of the south-easterly wharf. Concrete supports were built for stacking the stop logs and a pair of derrick winches was installed for lifting the stop logs to and from the water.

Port Sandfield Wharf and Bridge, Muskoka District

Repairs were carried out this fiscal year to the existing timber wharf at the Port Sandfield Bridge. The tops of the rock filled cribs were repaired where necessary, deteriorated stringers were renewed and a new timber floor was placed over 150 feet of the length of the wharf at its north-east end. Minor repairs were made to the approaches to the swing bridge, and some earth filling was done behind the deck.

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

Reserve Dam, Kirkwood Township, Algoma District

The existing masonry dam across Little Thessalon River has served for many years as a storage dam for power generation and was taken over by the Department of Lands and Forests in 1954. This fiscal year, repairs were carried out to the operating mechanism of the dam. The two sluice valves were cleared of driftwood and stems and gears overhauled. A new steel pipe hand rail was installed along the crest of the dam.

Sasajewun (McCoy) Lake Dam, Canisbay Township, Nipissing District

The dam at the outlet of Sasajewun Lake in Algonquin Park was constructed in 1950 by the Department of Lands and Forests for the use of the Wildlife Research Station at this lake. The westerly wing wall of this dam, which consisted of earth fill and timber sheet core, was washed out during the spring freshet in 1955. This fiscal year, the washed out portion about 100 feet in length was temporarily plugged with earth fill to secure water supply for the Research Station. Reconstruction of the dam is scheduled for next year.

Tasso Lake Dam, Nipissing District

Reconstruction of the dam with reinforced concrete and earth fill was completed in March, 1955, but because of cold weather the grades of the earth fill could not be finished. Adjustment of the slopes of the wing wall embankments and grading of the earth fill on both river banks was carried out this fiscal year. The work was completed on November 4, 1955.

REPAIRS AND MINOR CONSTRUCTION WORK

Regular maintenance of dams, docks, locks and navigable channels was carried out and repairs and minor construction work were done where necessary. Repairs on underwashed earth fills were carried out on the Nogies Creek Dam, Peterborough District, temporary plugging of leakage under the sill was done to the Kasshabog Lake Dam, Peterborough District, and debris was cleared from the navigation channel downstream of the Huntsville Lock. Earth fill was renewed along the wing walls of the following dams: Port Sydney Dam, Muskoka District; Kahshe Lake Dam, Muskoka District, and Cripple Creek Dam, Nipissing District. The deck was repaired on the Ragged Lake Dam, Nipissing District. Timber booms were installed in front of ten dams for safety of navigation. Driftwood was removed from eight dams. Construction of six more portable camp buildings was carried out during the winter months. This work will be completed early this year and will make a total of 14 camp buildings constructed to date. The construction equipment was overhauled and repaired and made ready for use in the ensuing season.

AID TO NAVIGATION

Two hundred drum buoys and 60 spar buoys were placed on the navigation routes in the area of the Muskoka, Rosseau and Joseph Lakes; two drum buoys were placed in Ahmic Lake and 12 spar buoys were placed on the navigation route of Lake Cecebe and the Magnetawan River.

LOCKAGES

Records on watercraft which were passed through the three Provincial Government operated locks are as follows:

	Steamers	Small Boats	Scows	Rafts	Total
Port Carling	476	6,822	15	—	7,313
Huntsville	—	718	—	—	718
Magnetawan	—	246	4	—	250
	<hr/> 476	<hr/> 7,786	<hr/> 19	<hr/> —	<hr/> 8,281

PROVINCIAL AID TO DRAINAGE

Grants Paid During the Fiscal year 1955 - 1956

County	Township	No. of Grants Paid	Amount of Grants
Brant	Burford	1	\$ 1,675.46
Bruce	Carrick	4	10,187.05
Bruce	Huron	1	1,050.65
Bruce	Kinloss	2	1,704.61
Carleton	Gloucester	1	2,007.21
Carleton	Marlborough	1	1,203.60
Carleton	North Gower	1	1,947.20
Dufferin	Amaranth	4	4,439.08
Dufferin	East Luther	1	1,693.18
Dufferin	Melancthon	2	1,450.70
Dundas	Matilda	1	1,930.13
Dundas	Mountain	1	866.81
Dundas	Williamsburg	1	591.38
Dundas	Winchester	2	2,564.25
Elgin	Aldborough	12	8,519.99
Elgin	Bayham	1	1,868.12
Elgin	Dunwich	9	8,767.17
Elgin	South Dorchester	2	2,358.18
Elgin	Southwold	12	17,507.33
Elgin	Yarmouth	2	585.37
Essex	Anderdon	1	820.00
Essex	Gosfield North	1	239.93
Essex	Gosfield South	2	1,754.94
Essex	Maidstone	1	3,177.58
Essex	Malden	1	309.41
Essex	Mersea	10	32,699.89
Essex	Rochester	3	3,999.14
Essex	Sandwich East	1	252.60
Essex	Tilbury North	2	1,946.47
Essex	Tilbury West	3	1,169.78

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

County	Township	No. of Grants Paid	Amount of Grants
Glengarry	Kenyon	1	1,167.12
Glengarry	Lancaster	9	22,163.82
Glengarry	Lochiel	3	4,427.76
Grenville	Edwardsburg	1	2,129.67
Grey	Derby	1	2,458.07
Grey	Osprey	1	194.42
Haldimand	Moulton	1	1,308.89
Huron	Ashfield	2	4,792.85
Huron	East Wawanosh	1	1,993.56
Huron	Grey	5	3,382.75
Huron	Hay	2	1,836.27
Huron	Howick	4	2,866.07
Huron	Hullett	1	1,220.00
Huron	McKillop	2	1,445.27
Huron	Morris	2	2,328.12
Huron	Stephen	5	5,787.94
Huron	Turnberry	1	1,042.76
Huron	Usborne	2	3,985.94
Kent	Camden	3	1,253.00
Kent	Chatham	16	8,935.24
Kent	Dover	9	12,268.71
Kent	Harwich	13	9,397.89
Kent	Howard	10	6,757.11
Kent	Orford	9	4,268.07
Kent	Raleigh	14	6,064.83
Kent	Romney	2	773.67
Kent	Tilbury East	9	9,476.38
Kent	Zone	3	886.48
Lambton	Bosanquet	4	4,421.29
Lambton	Brooke	9	6,121.95
Lambton	Dawn	2	1,023.93
Lambton	Enniskillen	10	6,743.81
Lambton	Moore	4	1,130.75
Lambton	Plympton	5	5,012.23
Lambton	Sarnia	5	2,815.83
Lambton	Sombra	1	140.48
Lambton	Warwick	6	6,666.87
Lanark	Drummond	1	2,724.52
Lennox and Addington	South Fredericksburgh	1	590.35
Lincoln	North Grimsby	1	3,498.17
Middlesex	Adelaide	1	2,449.10
Middlesex	Biddulph	3	4,518.14
Middlesex	Caradoc	5	5,172.29
Middlesex	Delaware	1	3,078.29
Middlesex	Ekfrid	10	4,986.34
Middlesex	Lobo	1	2,022.49
Middlesex	London	2	2,665.97
Middlesex	McGillivray	1	740.21

County	Township	No. of Grants Paid	Amount of Grants
Middlesex	Metcalfe	7	6,108.95
Middlesex	Mosa	11	9,612.42
Middlesex	North Dorchester	4	8,634.03
Middlesex	Westminster	3	2,738.87
Middlesex	West Nissouri	2	1,894.86
Norfolk	Houghton	2	1,873.82
Norfolk	Middleton	3	2,878.49
Norfolk	North Walsingham	1	1,334.58
Norfolk	Townsend	1	266.67
Norfolk	Windham	1	1,575.68
Oxford	Blenheim	1	533.03
Oxford	Dereham	2	1,053.52
Oxford	East Nissouri	2	958.23
Oxford	East Oxford	2	785.21
Oxford	North Norwich	3	3,341.71
Oxford	North Oxford	2	811.55
Oxford	West Zorra	1	664.30
Perth	Blanshard	1	181.32
Perth	Downie	1	150.00
Perth	Ellice	5	3,280.10
Perth	Elma	4	3,720.27
Perth	Fullarton	3	4,271.30
Perth	Hibbert	3	2,483.60
Perth	Logan	10	15,069.61
Perth	Mornington	6	7,028.90
Perth	North Easthope	1	757.07
Perth	South Easthope	2	6,074.82
Prescott	West Hawkesbury	1	2,614.62
Rainy River (District)	Alberton	1	2,462.35
Russell	Clarence	2	3,038.05
Simcoe	Medonte	1	590.00
Simcoe	Sunnidale	1	354.30
Simcoe	West Gwillimbury	1	62,576.52
Stormont	Finch	6	4,251.28
Stormont	Roxborough	1	2,358.24
Waterloo	Waterloo	1	1,688.42
Waterloo	Wellesley	3	2,096.35
Waterloo	Woolwich	1	1,751.15
Welland	Wainfleet	2	817.80
Wellington	Minto	4	4,386.45
TOTAL		400	\$487,491.32
Less Refund from Township			
Wellington	West Luther		585.99
NET TOTAL FOR 1955-56		400	\$486,905.33



View Showing the Old AWARD Drain Choked with Weeds Before
Incorporation into the Lehi Municipal Drainage System
WINDHAM TOWNSHIP (COUNTY OF NORFOLK)



After Incorporation of the Old AWARD Drain into the
Lehi Municipal Drainage System
WINDHAM TOWNSHIP (COUNTY OF NORFOLK)



The First Northern Ontario Drain Built Where the
Department of Public Works Acted as Engineer
ALBERTON TOWNSHIP (RAINY RIVER DISTRICT)

REPORT OF THE DEPARTMENT OF PUBLIC WORKS

Fiscal Year Ending March 31st, 1956

TERRITORIAL DISTRICTS — NON-MUNICIPAL

The Provincial Aid to Drainage Act allows for an 80% grant towards the cost of approved drainage works in unorganized Townships in Territorial Districts and Provisional Counties. The remaining 20% of the cost is paid by the owners of the benefiting lands. Financial assistance, under the provisions of The Provincial Aid to Drainage Act, 1954, amounted to \$22,086.08 on 21 drainage schemes, as follows:

District	Township	Schemes	Amount
Algoma	Gladstone	1	\$ 2,187.69
	Plummer	3	3,185.75
	Rose	1	853.70
Cochrane	Kendall	1	618.51
	O'Brien	2	1,401.48
	Owens	1	365.94
Manitoulin	Mills	1	567.51
Nipissing	Badgerow	2	2,299.44
	Falconer	1	971.07
	Hugel	3	2,459.24
	Kirkpatrick	3	5,055.07
Sudbury	Haddo	2	2,120.68
		<hr/>	
		21	\$ 22,086.08

These projects were all surveyed, plans and specifications prepared, tenders invited, contracts awarded and assessments made by the Department.

MUNICIPAL DRAINAGE

1955 - 1956

Grants totalling \$10,527.93 were paid in aid of Municipal Drainage in the following localities:

COUNTY OR DISTRICT	TOWNSHIP	AMOUNT
Frontenac	Kennebec	\$ 517.00
Hastings	Dungannon	564.77
Nipissing	Cameron (Improvement District)	334.50
	Chisholm	569.63
	Douro	1,116.13
Peterborough	Atwood	54.63
Rainy River	Hagarty	410.00
Renfrew	Horton	3,348.81
	Ross	468.00
	Stafford	180.00
	Medonte	299.96
Simcoe	Tay	199.50
Temiskaming	Casey	2,097.50
	Evanturel	367.50
		<hr/>
		\$ 10,527.93

REMEDIAL WORKS, ETC.

Grants totalling \$70,110.08 were paid in aid of Remedial Works in the following localities:

COUNTY OR DISTRICT	LOCATION	AMOUNT
Essex	Mersea Township	\$ 59,944.34
Kent	Harwich Township	1,000.00
Manitoulin	Carnarvon Township	999.50
Muskoka	Stephenson Township	1,786.58
Parry Sound	Strong Township	190.85
Peterborough	Dummer Township	1,500.00
Simcoe	Coldwater, Village of	250.20
	Collingwood, Town of	500.00
	Medonte Township	250.00
	Nottawasaga Township	1,000.00
Sudbury	Capreol, Town of	1,488.61
Wentworth	Saltfleet Township	1,200.00
		<hr/> <hr/> \$ 70,110.08

Essex County, Mersea Township — “East Marsh”

The work of constructing a stone breakwater for the permanent protection of the valuable below-lake-level farm land, commenced in 1954, was continued during 1955, and the Province's one-half of the cost was paid to the Municipality.

Simcoe County, Town of Collingwood — Black Ash Creek

The remedial work on this project started in 1954 was completed except for a railway entrance bridge, construction of which was delayed pending completion of design work by the Canadian National Railway Company.

Respectfully submitted,

W. L. RICE, P.Eng.,

Chief Hydraulic Engineer.

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Compiled and Edited by
N. MITCHELL
PUBLIC RELATIONS OFFICER
DEPARTMENT OF PUBLIC WORKS

JUL 5 1990

